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# INTELLECTUAL PROPERTY LAWS AND FRAGRANCES: NAVIGATING SUBJECTIVITY AND CULTURAL SIGNIFICANCE IN PROTECTION AND REGULATION

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## Abstract

*This paper explores the relationship between intellectual property laws and fragrances, focusing on the challenges of regulating and protecting subjective and culturally significant olfactory works. The study analyzes the limitations of current intellectual property frameworks in effectively addressing the unique characteristics of fragrances, such as their subjective nature, ephemeral quality, and cultural significance.*

*The research question posed is to what extent intellectual property laws can regulate the use and protection of fragrances, given these inherent complexities. The analysis draws from legal and cultural perspectives, examining case law and regulatory frameworks in the United States and Europe, as well as cultural theories of scent and olfactory aesthetics.*

*The paper concludes by proposing alternative approaches to fragrance regulation and protection that acknowledge the complexities of olfactory works. These include recognizing the importance of cultural heritage and community-based practices in the regulation of fragrances, promoting transparency and collaboration among stakeholders, and embracing new technologies such as a International fragrance database and International regulatory body and innovations that can better capture and protect the essence of fragrances.*

*This paper aims to shed light on the challenges of navigating subjectivity and cultural significance in the regulation of intellectual property, particularly in the context of fragrances. It highlights the need for a nuanced and interdisciplinary approach to intellectual property laws and cultural heritage, one that values and protects the diversity and richness of olfactory works.*

**Keywords:** Intellectual property laws, Fragrances, Subjectivity, Cultural significance, Regulation

## I. Introduction:

Imagine walking into a perfume shop and being greeted by a vast array of rich and complex scents of different fragrances from around the world. Each bottle tells a story of its own, from the delicate floral notes of a French perfume to the earthy spices of an Indian attar. The perfume contains a blend of natural and synthetic ingredients, carefully crafted to evoke memories of the village's lavender fields, sun-kissed vineyards, and bustling marketplaces. The fragrance quickly gains popularity among

perfume enthusiasts and soon becomes a best-seller. However, a competing perfume company creates a similar fragrance using different ingredients and sells it under a similar name. The perfumer is outraged and seeks legal action but is unsure if intellectual property laws can effectively protect his fragrance from imitation. Fragrances are not only a reflection of personal style and taste, but also of cultural identity and tradition<sup>1</sup>. However, the complex

<sup>1</sup> Czech & Speake, "The Cultural Influence of Fragrance," *Czech & Speake Fragrance Journal*, accessed 10 April 2023,

and subjective nature of fragrances poses a challenge for intellectual property laws that seek to regulate their use and protection.

The fragrance industry is a complex and dynamic sector that encompasses a wide range of products and practices. From perfumes and colognes to essential oils and incense, fragrances are a ubiquitous and essential part of our daily lives<sup>2</sup>. However, the creative and innovative aspects of fragrance production have brought forth various intellectual property issues, particularly in relation to the protection and regulation of fragrances.

Fragrances are inherently subjective and difficult to objectively define or measure<sup>3</sup>. Their effects are not only limited to the sense of smell, but also involve emotions<sup>4</sup>, memories<sup>5,6</sup>, and cultural associations<sup>7</sup>. As such, fragrances are not only a reflection of personal style and taste, but also of cultural identity and tradition<sup>8</sup>. This complexity and subjectivity makes it challenging to apply traditional intellectual property laws, such as patents, trademarks, and copyrights, to the fragrance industry<sup>9</sup>. Despite these challenges, intellectual property laws have been applied to the fragrance industry in

various ways, such as through the protection of fragrance formulas as trade secrets, the registration of fragrance names and trademarks, and the copyright protection of fragrance packaging and advertising.<sup>10</sup> However, the effectiveness of these approaches in effectively regulating the use and protection of fragrances remains uncertain.

This paper seeks to explore the extent to which intellectual property laws can effectively regulate the use and protection of fragrances, given their subjective nature and cultural significance. By examining the current legal landscape and cultural practices surrounding fragrances, this paper aims to provide insights into the challenges and opportunities of protecting fragrances under intellectual property laws.

## II: The Subjectivity of Fragrances and Intellectual Property Law

Subjectivity refers to the personal and unique experience of an individual, shaped by their personal beliefs, experiences, and emotions<sup>11</sup>. In the context of fragrances, subjectivity plays a significant role in shaping an individual's perception of a scent. The way individuals perceive fragrances is influenced by various subjective factors such as their personal preferences, cultural background, emotional associations, and past experiences<sup>12</sup>, in addition to environmental factors like temperature, humidity, and wind conditions<sup>13</sup>. Even if the environmental conditions are replicated precisely, an individual's perception of a scent can vary significantly from another's due to individual factors like age<sup>14</sup>, gender<sup>15</sup>, and

<https://www.czechandspeake.com/fragrance/journal-posts/the-cultural-influence-of-fragrance/>.

<sup>2</sup> Sharmeen JB, Mahomoodally FM, Zengin G, Maggi F. Essential Oils as Natural Sources of Fragrance Compounds for Cosmetics and Cosmeceuticals. *Molecules*. 2021 Jan 27;26(3):666. doi: 10.3390/molecules26030666. PMID: 33514008; PMCID: PMC7865210.

<sup>3</sup> Geiregat, S. Trade Mark Protection for Smells, Tastes and Feels – Critical Analysis of Three Non-Visual Signs in the EU. *IIC* 53, 219–245 (2022). <https://doi.org/10.1007/s40319-022-01160-3>

<sup>4</sup> Kutlu A.K., Yilmaz E., Cecen D. Effects of aroma inhalation on examination anxiety. *Teach. Learn. Nurs.* 2008;3:125–130. doi: 10.1016/j.teln.2008.04.005.

<sup>5</sup> Sowndhararajan K, Kim S. Influence of Fragrances on Human Psychophysiological Activity: With Special Reference to Human Electroencephalographic Response. *Sci Pharm*. 2016 Nov 29;84(4):724–751. doi: 10.3390/scipharm84040724. PMID: 27916830; PMCID: PMC5198031.

<sup>6</sup> Lewis, Jordan Gaines. "Smells Ring Bells: How Smell Triggers Memories and Emotions." *Psychology Today*, 12 Jan. 2015. <https://www.psychologytoday.com/intl/blog/brain-babble/201501/smells-ring-bells-how-smell-triggers-memories-and-emotions>.

<sup>7</sup> Magiels, G. (2021, July 16). You are what you smell: How scent and culture are intricately linked. *The Low Countries*. Retrieved from <https://www.the-low-countries.com/article/you-are-what-you-smell-how-scent-and-culture-are-intricately-linked>

<sup>8</sup> Boswell, Rosabelle. (2008). Scents of identity: Fragrance as heritage in Zanzibar. *Journal of Contemporary African Studies*. 26. 295–311. 10.1080/02589000802332507.

<sup>9</sup> Weinberg, Steven M. "Scent Trademarks and the Complexities of Smell." *IPWatchdog*, 21 Dec. 2017, <https://ipwatchdog.com/2017/12/21/scent-trademarks-complexities/id=91071/>.

<sup>10</sup> Cronin, Charles Patrick Desmond. "Lost & Found: Intellectual Property of the Fragrance Industry; From Trade Secret to Trade Dress," *SSRN Electronic Journal* (January 2015), doi: 10.2139/ssrn.2661891.

<sup>11</sup> Vocabulary.com. (n.d.). Subjectivity. Retrieved April 12, 2023, from <https://www.vocabulary.com/dictionary/subjectivity>

<sup>12</sup> Supra

<sup>13</sup> Kuehn M, Welsch H, Zahnert T, Hummel T. Changes of pressure and humidity affect olfactory function. *Eur Arch Otorhinolaryngol*. 2008 Mar;265(3):299–302. doi: 10.1007/s00405-007-0446-2. Epub 2007 Sep 25. PMID: 17901967.

<sup>14</sup> Boyce JM, Shone GR. Effects of ageing on smell and taste. *Postgrad Med J*. 2006 Apr;82(966):239–41. doi: 10.1136/pgmj.2005.039453. PMID: 16597809; PMCID: PMC2579627.

genetics<sup>16</sup>. Furthermore, some people have anosmia, which refers to the inability to distinguish between different scents or ranges of smells<sup>17</sup>. These issues makes it intricate to apply traditional intellectual property laws, such as patents, trademarks, and copyrights, to the fragrance industry, which are based on objective criteria and necessitate clear definitions and boundaries to effectively regulate and protect creative works.

Traditionally, intellectual property law has focused on protecting tangible and measurable creations such as patents, trademarks, and copyrights<sup>18</sup>. Trademarks, which was initially designed to protect brand names and logos, now can also be applied to safeguard unique fragrances. However, defining and identifying scent trademarks can prove to be an arduous task, given the subjectivity and ineffability of scents further it makes it difficult to establish a clear standard for infringement. In the United States, for instance, only a handful of scent trademarks have been approved by the Trademark Office, and those that have been sanctioned are typically for scents that are challenging to replicate, such as the scent of bubble gum<sup>19</sup> or the fragrance trademark of cinnamon (*methyl cinnamate*)<sup>20</sup> by European court. This predicament of identifying and defining scent trademarks poses a significant hurdle to the efficacy of intellectual property laws in safeguarding fragrances.

The complex nature of fragrance trademarks and the challenges in identifying and proving

their infringement have much to do with the subjective interpretations of fragrances<sup>21</sup>. The elements that contribute to the distinctiveness of a fragrance, such as its composition and scent notes<sup>22</sup>, can be tricky to measure and may differ depending on individual interpretations. As such, intellectual property disputes involving fragrance trademarks require careful examination to ensure fairness and accuracy in their adjudication.

The subjectivity inherent in fragrances presents a daunting challenge for intellectual property laws when it comes to adjudicating disputes. For instance, two fragrances may share common notes and ingredients, yet one may be considered superior or more refined due to nuanced variations in their formulation. This subjectivity creates an air of uncertainty in intellectual property disputes, impeding clear resolution of infringement allegations. What smells good to one person may not smell good to another.

In the case of *Kecofa vs. Lancôme*<sup>23</sup>, the Court determined that the smell of a perfume may be considered a work that meets the criteria established by the Intellectual Property Law (IPL), even though it can only be perceived through the sense of smell. The Court also made a distinction between the fragrance of a perfume and its formula/liquid, likening it to the pages of a book, which are not subject to copyright protection, while the content of the book is. The requirement of originality means that a perfume that reproduces the fragrance of a specific flower cannot be granted protection unless the perfumer adds their own personal touch to it. However, the Court noted that a work does not need to be entirely new,

<sup>15</sup> Oliveira-Pinto AV, Santos RM, Coutinho RA, Oliveira LM, Santos GB, Alho ATL, et al. (2014) Sexual Dimorphism in the Human Olfactory Bulb: Females Have More Neurons and Glial Cells than Males. *PLoS ONE* 9(11): e111733. <https://doi.org/10.1371/journal.pone.0111733>

<sup>16</sup> Howgego, J. Sense for scents traced down to genes. *Nature* (2013). <https://doi.org/10.1038/nature.2013.13493>

<sup>17</sup> National Institute on Deafness and Other Communication Disorders (NIDCD), Smell Disorders, <https://www.nidcd.nih.gov/health/smell-disorders>.

<sup>18</sup> Paridhi Jain, A Perspective on Non-Conventional Trademarks and the Difficulties in Extending IP Protection to Them, SCC Online Blog (Sept. 16, 2022), <https://www.sconline.com/blog/post/2022/09/16/a-perspective-on-non-conventional-trademarks-and-the-difficulties-in-extending-ip-protection-to-them/>.

<sup>19</sup> [https://tsdr.uspto.gov/#caseNumber=86265443&caseType=SERIAL\\_NO&searchType=statusSearch](https://tsdr.uspto.gov/#caseNumber=86265443&caseType=SERIAL_NO&searchType=statusSearch)

<sup>20</sup> *Sieckmann v. Deutsches Patent-und Markenamt* Case C-273/00, 2003 E.T.M.R. 37

<sup>21</sup> To date, there has been few scent infringement claim brought to courts such as *SCENTWISH LTD v. CHANEL*

and only a handful of scent trademarks have been successfully registered. The lack of precedent has made many practitioners concerned about how an infringement claim would be handled if one were to arise. The unique nature of scents and the lack of case law addressing infringement claims casts serious doubt on the benefits of having a scent mark.

<sup>22</sup> Brown, James. "What Are Fragrance Notes?" *I Love Cosmetics*, 16 May 2022, <https://www.ilovecosmetics.co.uk/blog/what-are-fragrance-notes/#:~:text=fragrance%20notes%20are%20essentially%20the,to%20create%20a%20beautiful%20fragrance.>

<sup>23</sup> *Kecofa vs. Lancôme* 2006, C04/327HR



but rather the author must have applied their own creativity to it.

Fragrances can be perceived differently by individuals based on their preferences and can lead to divergent views about the originality and uniqueness of fragrances, which can have repercussions on the legal protection afforded to them under intellectual property laws. For instance, a perfumer may conceive a fragrance that they believe is entirely novel and distinctive, but others may contend that it is merely a variation of an existing scent. Moreover, the subjective interpretation of fragrances also influence the perception of their cultural significance, thereby adding a further layer of complexity to intellectual property disputes. For instance, a fragrance that may be regarded as a symbol of cultural identity in one community may be deemed as a common scent by others, thereby raising questions about its legal protection under intellectual property laws.

The nebulous nature of fragrances presents a substantial obstacle to the enforcement of intellectual property laws concerning their protection and regulation. The conundrum of defining and recognizing olfactory trademarks, coupled with the prospect of subjective interpretations of scents influencing disputes pertaining to intellectual property, compounds this challenge. One possible solution to address the subjective nature of fragrances in the context of intellectual property laws is to establish clear and tangible criteria for descriptive defining and identifying scent trademarks. This may involve the creation of objective methodologies for analyzing and describing fragrances, as well as setting benchmarks for measuring the uniqueness of a scent trademark. By doing so, intellectual property laws can provide more precise and reliable guidance for the protection and regulation of fragrances, while also addressing concerns about cultural significance and subjectivity.

### III: Cultural Significance of Fragrances and Intellectual Property Law

The olfactory arts have been an intrinsic aspect of human culture since antiquity<sup>24</sup>. Across the planet, fragrances have been deployed in myriad ways to indicate cultural identity, embody spiritual beliefs, and bespeak social status<sup>25</sup>. The cultural significance of fragrances is unmistakable, as one can see in the diverse contexts of their use, spanning from age-old religious rituals and curative practices<sup>26</sup> to the modern domains of fashion and luxury markets. Nevertheless, this very cultural significance can also engender significant challenges to the potency of intellectual property laws in regulating the usage and ensuring the protection of fragrances.

The use of attar in Islamic culture<sup>27</sup> serves as a poignant example of the cultural significance of fragrances. For centuries, attar, a natural perfume, has played a pivotal role in Islamic rituals and ceremonies, reflecting the deep roots of fragrances in Islamic culture. However, the commercialization of attar by the fragrance industry has raised concerns about cultural appropriation and the exploitation of traditional knowledge. This conundrum raises pertinent questions about the relationship between intellectual property laws and cultural heritage, as the commercialization of attar creates a friction between preserving cultural practices and pursuing commercial interests. The challenges posed by the cultural significance of fragrances in the context of intellectual property laws underline the need for conscientious consideration of cultural heritage and traditional knowledge in the development of legal frameworks for fragrances.

<sup>24</sup> Perfume.com. "Olfactory Senses: The Science Behind Fragrances," 2018, <https://www.perfume.com/article-olfactory-senses-the-science-behind-fragrances>.

<sup>25</sup> Grant, Grainne Louise. "The Greek Sense of Smell: Olfactory Perception and the Sociocultural Roles of Perfume in Antiquity." PhD diss., University of Exeter, 2014.

<sup>26</sup> Ali B., Al-Wabel N.A., Shams S., Ahamad A., Khan S.A., Anwar F. Essential oils used in aromatherapy: A systemic review. *Asian Pac. J. Trop. Biomed.* 2015;5:601–611. doi: 10.1016/j.apjtb.2015.05.007.

<sup>27</sup> Qazi Dr. Shaikh Abbas Borhany al-Waleed. "Attar and its Medicinal Uses from a Yemeni Treatise." *Al-Tafahum, Journal of the International Institute of Islamic Thought and Civilization (ISTAC)* 2019: 85-98.



In addition to cultural appropriation, one must not overlook the cultural significance of fragrances, as it can also have far-reaching effects on the protection and regulation of fragrances under intellectual property laws. Traditional knowledge of fragrances, which involves the methods of extracting and blending scents<sup>28</sup>, can be difficult to safeguard under traditional intellectual property laws. This is mainly because such knowledge is considered to be part of the public domain and is not subject to exclusive ownership. However, the commercialization of fragrances can lead to the misappropriation of traditional knowledge, which can undermine the cultural significance of fragrances. It is crucial to address this issue carefully to maintain a balance between commercial interests and the preservation of cultural heritage.

The cultural significance of fragrances is intimately connected to the use of indigenous ingredients in their creation. Many fragrances utilize ingredients sourced from indigenous plants and herbs that are unique to particular regions<sup>29</sup>, and these fragrances can be seen as part of the cultural heritage of the indigenous communities that use these ingredients. However, the use of these ingredients can generate conflicts between intellectual property laws and cultural heritage. For instance, the commercial use of indigenous ingredients without the consent of the indigenous communities can give rise to allegations of cultural appropriation and the exploitation of traditional knowledge.

The fragrance industry is not immune to the issues of cultural appropriation and misappropriation of traditional knowledge, which can erode the cultural significance of fragrances. To tackle these issues, intellectual

property laws can be utilized as a tool to safeguard traditional knowledge and cultural heritage associated with fragrances. By registering scent trademarks through trademark laws, for example, we can provide legal protection and ensure that the use of indigenous ingredients and knowledge is done with the consent of the communities. In addition, patent laws can be employed to protect novel and non-obvious methods for extracting and blending fragrances that are derived from traditional knowledge, thereby encouraging the preservation and continuation of cultural practices, and deterring their exploitation. However, it is imperative to strike a balance between protecting intellectual property rights and preserving cultural heritage. As such, intellectual property laws can play an indispensable role in addressing cultural appropriation issues in the fragrance industry and safeguarding traditional knowledge and cultural heritage.

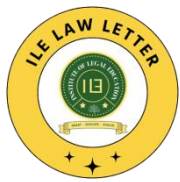
It is of utmost importance to take into account the traditional knowledge and cultural heritage when regulating and protecting fragrances. Neglecting these aspects can result in the misappropriation of cultural knowledge, leading to the exploitation of traditional practices and undermining the cultural significance of fragrances. By providing legal protection for such knowledge, intellectual property laws can incentivize the preservation and continuation of cultural practices, prevent their exploitation, and ensure that the benefits of commercialization are shared with the indigenous communities. Hence, it is imperative to consider the cultural heritage and traditional knowledge associated with fragrances in the protection and regulation of intellectual property laws.

#### **IV: Intellectual Property Protection for Fragrances**

Imagine a scenario where a perfumer spends years perfecting a fragrance that is based on traditional knowledge and cultural heritage. The fragrance becomes popular, and soon, other companies start copying it, diluting the cultural

<sup>28</sup> Twarog, S., & Kapoor, P. (Eds.). (2016). Protecting and promoting traditional knowledge: systems, national experiences and international dimensions. United Nations Conference on Trade and Development. Retrieved from [https://unctad.org/system/files/official-document/ditcted10\\_en.pdf](https://unctad.org/system/files/official-document/ditcted10_en.pdf)

<sup>29</sup> Sharmeen JB, Mahomoodally FM, Zengin G, Maggi F. Essential Oils as Natural Sources of Fragrance Compounds for Cosmetics and Cosmeceuticals. *Molecules*. 2021 Jan 27;26(3):666. doi: 10.3390/molecules26030666. PMID: 33514008; PMCID: PMC7865210.



significance, and making a profit without giving back to the community that inspired the scent. This scenario is not uncommon in the fragrance industry, highlighting the importance of intellectual property protection for fragrances. In this section, we explore the different forms of protection available, including trademarks, patents, and trade secrets, and their effectiveness in regulating and protecting fragrances.

The market for cloned fragrances refers to the production and sale of fragrances that are intended to mimic the scent of high-end, designer perfumes. These cloned fragrances are often sold at a much lower price point than their designer counterparts, making them an attractive option for consumers who cannot afford the original fragrance. It not only constitutes intellectual property infringement and can harm the reputation but also eats into the profits of the original perfumers and fragrance houses.

The deployment of trademarks serves to safeguard the distinctive fragrances associated with a specific brand, thereby facilitating the identification and differentiation of fragrances among different corporations. Indeed, a fragrance that is unique and distinct can transform into a valuable brand asset. Consequently, trademarks can engender fair competition in the fragrance industry and foster an impetus for companies to invest in research and development to produce exceptional and unparalleled fragrances.

The process of establishing and registering olfactory trademarks can prove to be rather arduous, often necessitating the demonstration that the scent is not functional and has acquired distinctiveness in the market and must comply with the requirements of traditional trademarks. These requirements remain vague and difficult to satisfy, contributing to the complications of filing an application and protecting a registration and lacks established criteria for objectively describing and identifying scents. Nonetheless, despite these challenges,

some firms have managed to successfully register olfactory trademarks, including the scent of freshly cut grass for tennis balls and the scent of vanilla for fragrances and personal care products.<sup>30</sup>

Furthermore, it is worth noting that olfactory trademarks carry with them the advantage of forging robust brand recognition in the minds of consumers, even when the product is not visibly branded. This attribute can be especially potent in industries such as perfumes and scented candles, where the fragrance itself is the primary product. However, it is imperative to recognize that olfactory trademarks remain bound by the same constraints as traditional trademarks and cannot be registered if they are generic or descriptive of the product's attributes or quality. Additionally, the trademark owner must be vigilant in enforcing their trademark to maintain its protection and prevent it from succumbing to genericization.

Patents, however, do not protect fragrances themselves, instead they protect the process of making the fragrance and anything of industrial value that is either used in the production or used in enhancing the experience of the fragrance. This means that a company can patent a particular method for extracting a certain scent from a plant, but they cannot patent the scent itself. As a result, it is possible for different companies to create fragrances that have similar scents, as long as they do not use the patented technique or ingredients. These protection can range from unique extraction processes to innovative ingredient blends that result in a distinct and unique fragrance. By obtaining a patent, an inventor gains exclusive rights to use and license their invention for a set period, typically 20 years from the date of filing. This exclusivity provides a competitive advantage in the marketplace and can incentivize further innovation and investment in the fragrance industry.

<sup>30</sup> WIPO Magazine. (2009). Perfumes: Protecting the Scents of Original Creations. Retrieved from [https://www.wipo.int/wipo\\_magazine/en/2009/01/article\\_0003.html](https://www.wipo.int/wipo_magazine/en/2009/01/article_0003.html)





The subjective nature of fragrances makes it more challenging to demonstrate the “*novelty, usefulness, and non-obviousness*” of an olfactory invention, which are essential requirements for obtaining a patent<sup>31</sup>. Unlike other forms of inventions, such as mechanical devices<sup>32</sup> or chemical compositions<sup>33</sup>, there are no established objective criteria for describing and evaluating fragrances. The fragrance industry is highly competitive<sup>34</sup>, and companies often keep their fragrance formulas and production processes as trade secrets rather than applying for patents, which would require public disclosure of the details<sup>35</sup>. Furthermore, the cost of obtaining and enforcing a patent can be prohibitive<sup>36</sup>, especially for small fragrance companies. Therefore, while patents can be a valuable tool for protecting intellectual property in the fragrance industry, they may not always be the most appropriate or practical choice.

Finally Trade secrets, which is proven to be an indispensable tool in preserving the competitive advantage of fragrance companies, as they keep confidential information regarding fragrance creation out of the hands of rivals. These companies spend a considerable amount of time and resources developing distinctive fragrances that help them stand out in the market. Such confidential information may include the unique combination of ingredients, extraction techniques, and blending processes that culminate in the creation of a singularly delightful aroma. By protecting this

information as a trade secret, fragrance companies can maintain their competitive edge in the market and prevent competitors from replicating their fragrances, thereby protecting their investments in the development of these exquisite scents. However, competitors can swiftly emulate the fragrance by dissecting the product and determining the exceptional blend of ingredients and techniques involved in its formulation.<sup>37</sup>

Trade secrets offer a fresh and distinctive outlook as compared to other forms of intellectual property protection, such as patents or trademarks. Unlike patents and trademarks, trade secrets do not necessitate registration, thus enabling fragrance companies to maintain a tight grip on their confidential information and protect their intellectual property without disclosing it to the public. Furthermore, trade secrets offer perpetual protection as long as the information remains confidential, and the trade secret protection is upheld. This can be particularly advantageous in the industry, where the subjective nature of fragrances and the difficulty in proving novelty and non-obviousness in olfactory aspects can make it challenging to obtain patent protection.<sup>38</sup>

However, a major limitation is the risk of trade secret misappropriation by employees and other insiders who may disclose confidential information to competitors<sup>39</sup>. To address this risk, fragrance companies can implement various measures to protect their trade secrets, such as non-disclosure agreements, employee education, and access controls. Nevertheless, the risk of trade secret misappropriation is an

<sup>31</sup> Brettoni, P. (n.d.). Requirements for a Patent. Retrieved from <https://www.brettoniplaw.com/requirements%20for%20a%20patent.html>

<sup>32</sup> Patent applicants often need to ensure that their mechanical device is unique and not simply a modification of existing devices. Additionally, patent examiners use their expertise in the relevant field to assess whether the invention is truly novel and non-obvious.

<sup>33</sup> The objective criterion for patentability includes novelty, non-obviousness, and utility. In addition, the chemical composition must be fully and clearly described in the patent application to enable a person having ordinary skill in the field to make and use the composition.

<sup>34</sup> Carrie Haslam, "Title of Article," SelectScience (Apr. 29, 2020), <https://www.selectscience.net/editorial-articles/collaborative-excellence-industry-giants-join-forces-to-dominate-the-perfume-industry/?artID=57593>.

<sup>35</sup> Cronin, Charles. "Lost and Found: Intellectual Property of the Fragrance Industry; From Trade Secret to Trade Dress." *Journal of Intellectual Property and Entertainment Law* 5, no. 1 (2016). <https://jipel.law.nyu.edu/vol-5-no-1-6-cronin/>.

<sup>36</sup> Eisenberg, Rebecca S. "Patent Costs and Unlicensed Use of Patented Inventions." *The University of Chicago Law Review*, vol. 78, no. 1, 2011, pp. 53-69, doi: 10.2307/41552849.

<sup>37</sup> International Fragrance Association. Valuable yet Vulnerable: Trade Secrets in the Fragrance Industry. October 2013. International Fragrance Association. [https://ifrafragrance.org/docs/default-source/policy-documents/23340\\_pp\\_2013\\_10\\_07\\_valuable\\_yet\\_vulnerable\\_trade\\_secrets\\_in\\_the\\_fragrance\\_industry-\(1\).pdf?sfvrsn=f15061e5\\_0](https://ifrafragrance.org/docs/default-source/policy-documents/23340_pp_2013_10_07_valuable_yet_vulnerable_trade_secrets_in_the_fragrance_industry-(1).pdf?sfvrsn=f15061e5_0)

<sup>38</sup> MoloLamken LLP, "How Do Trade Secrets Compare To Other Types Of Intellectual Property Rights?" (May 30, 2022), <https://www.mondaq.com/unitedstates/trade-secrets/1197422/how-do-trade-secrets-compare-to-other-types-of-intellectual-property-rights>.

<sup>39</sup> Sarah F. Williamson, What Are the Advantages and Disadvantages of Patents, Copyrights, Trademarks, and Trade Secrets?, *BVR Intellectual Property News* (March 12, 2018), <https://www.bvresources.com/blogs/intellectual-property-news/2018/03/12/what-are-the-advantages-and-disadvantages-of-patents-copyrights-trademarks-and-trade-secrets>.



inherent challenge for fragrance companies, and therefore it is important for them to remain vigilant and continuously evaluate their trade secret protection measures<sup>40</sup>.

It is quite intriguing to note that notwithstanding the challenges posed by the highly subjective nature of fragrances, there exist certain companies that have adroitly harnessed the power of intellectual property laws to shield their fragrances with remarkable effectiveness. A striking example of this phenomenon is the where Estée Lauder, filed a federal lawsuit against CVS Caremark Corp, Family Dollar Stores Inc, and a Brooklyn-based fragrance maker, claiming the stores have sold knock-offs of its brands, including "Impression of Beautiful by Estee Lauder"<sup>41</sup>. The lawsuit accused the stores and perfume maker of trademark infringement, false advertising, diluting their trademarks, and unfair competition. This legal safeguard precludes other companies from replicating a similar scent for their products, thereby ensuring Estée Lauder's intellectual property is secure<sup>42</sup>. This exemplar manifests the potency of trademarks in shielding fragrances, albeit the protection being confined to the singular scent and not extending to the specific blend of ingredients utilized.

Moreover, trade secrets can also function as a highly effective instrument in preserving confidential information associated with fragrance production. The venerated fashion empire, Chanel, has ensured the enduring preservation of its iconic fragrance, Chanel No. 5, for well over a century through the astute employment of trade secret protection. In contrast to Estée Lauder, Chanel refrained from procuring a patent for the fragrance formula. Instead, it zealously guarded the formula as a closely-held secret, thereby guaranteeing the company's perpetual competitive advantage in

the market, as its competitors were unable to replicate the scent.

In essence, the effectiveness of intellectual property laws in preserving fragrances is contingent upon the particular fragrance and the legal protection sought, Trade secrets can also be a potent means of securing intellectual property rights for fragrances, as exemplified by Chanel's success with Chanel No. 5. Hence, it is incumbent upon companies to meticulously evaluate their options and judiciously select the most appropriate legal protection to guarantee the preservation of their fragrances' intellectual property.

### **V: Intellectual Property Regulation of Fragrances**

The regulatory landscape for fragrances includes both industry self-regulation and government regulation. In many countries, the fragrance industry is largely self-regulated through trade associations and voluntary industry standards. In the United States, for example, the International Fragrance Association (IFRA) sets voluntary standards for the safe use of fragrances in consumer products<sup>43</sup>. IFRA standards cover a range of issues, including the safe use of fragrance ingredients and labeling requirements.<sup>44</sup>

In addition to industry self-regulation, many countries have government regulations that govern the use of fragrances in consumer products. For example, the European Union (EU) has established a system of regulations known as the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) to manage the risks associated with chemical substances, including fragrances.<sup>45</sup> The EU also

<sup>40</sup> Supra; See 34

<sup>41</sup> Reuters Staff. "CVS, Family Dollar sued over perfume knock-offs." Reuters, 12 June 2008, <https://www.reuters.com/article/fragrances-lawsuit/cvs-family-dollar-sued-over-perfume-knock-offs-idUKN1123911120080611>.

<sup>42</sup> id

<sup>43</sup> International Fragrance Association. "GUIDANCE FOR THE USE OF IFRA STANDARDS." May 4, 2020. [https://ifrafragrance.org/docs/default-source/ifra-code-of-practice-and-standards/49th-amendment/ifra-49th-amendment-\(att-01\)-guidance-for-the-use-of-ifra-standardsa7006c445f36499bbb0eb141e8c0d4be.pdf?sfvrsn=7fb244c8\\_2](https://ifrafragrance.org/docs/default-source/ifra-code-of-practice-and-standards/49th-amendment/ifra-49th-amendment-(att-01)-guidance-for-the-use-of-ifra-standardsa7006c445f36499bbb0eb141e8c0d4be.pdf?sfvrsn=7fb244c8_2).

<sup>44</sup> IFRA Code of Practice, accessed on October 18, 2021, at <https://ifrafragrance.org/about-ifra/ifra-code-of-practice>

<sup>45</sup> Sigma-Aldrich. (n.d.). REACH Regulation. Retrieved from <https://www.sigmaaldrich.com/IN/en/life-science/quality-and-regulatory-management/reach-regulation>.

has specific regulations governing the labeling of fragrances in consumer products.<sup>46</sup>

In India, the regulation of fragrances is overseen by various government agencies, including the Central Drugs Standard Control Organization (CDSCO) and the Bureau of Indian Standards (BIS). The CDSCO is responsible for regulating the safety and efficacy of drugs and cosmetics, including fragrances. The BIS is responsible for setting standards for consumer products, including fragrances, to ensure their safety and quality<sup>47</sup>. India also has a voluntary self-regulatory organization called the Fragrances and Flavours Association of India (FAFAI). FAFAI sets industry standards for the safe use of fragrances and works with government agencies to ensure compliance with relevant regulations<sup>48</sup>.

The regulation of fragrances is an intricate matter that requires a delicate balance between the protection of intellectual property and the safety of consumers. The employment of intellectual property laws, such as patents and trademarks, is indeed a viable means of preserving the innovative and distinct aspects of fragrances. Nevertheless, these laws present certain constraints in terms of ensuring the safety and effectiveness of fragrances.

One potential avenue for regulating fragrances is through the implementation of labeling requirements. Many countries across the globe, including the United States and the European Union, mandate manufacturers to disclose the ingredients utilized in their fragrances on the product label<sup>49</sup>. This allows consumers to make informed decisions about the products they utilize and helps to identify potential allergens or irritants. In India, the Bureau of Indian Standards has established standards for the

labeling of cosmetics, including fragrances, to ensure that consumers are apprised of the ingredients employed.

In addition to labeling requirements, governments may also impose restrictions on specific fragrance ingredients. For example, the European Union<sup>50</sup> has prohibited the use of certain allergenic fragrances in cosmetics, while the United States has set limits on the utilization of certain fragrance materials in personal care products<sup>51</sup>. These regulations are intended to safeguard the health and well-being of consumers, particularly those who may be susceptible to particular fragrances. Despite the potential of intellectual property laws and regulatory measures in regulating fragrances, additional measures are necessary to ensure the safety and effectiveness of these products. The implementation of these measures would not only enhance the protection of consumers but would also promote innovation and competition within the fragrance industry.

The complexities surrounding the regulation of fragrances are undeniable, particularly when it comes to the subjectivity and cultural significance of these unique products. However, there may be a potential solution that could address these challenges while also offering intellectual property protection for fragrances. This solution is centered around the creation of a universal fragrance database, accessible to regulators and consumers alike, that contains detailed information about fragrance ingredients and their properties, as well as potential risks associated with their use.

Creating a database has been used to solve problems in many fields, including healthcare, education, and finance. For example, in healthcare<sup>52</sup>, the creation of electronic health

<sup>46</sup> European Chemicals Agency. (n.d.). Understanding REACH. Retrieved from <https://echa.europa.eu/regulations/reach/understanding-reach>.

<sup>47</sup> Ministry of Micro, Small & Medium Enterprises (MSME), Government of India. (n.d.). Fragrance & Flavour Industry in India. Retrieved from <https://msme.gov.in/fragrance-flavour-industry-india>

<sup>48</sup> id

<sup>49</sup> Luminer. (n.d.). FAQs on Fragrance Labeling Requirements. Retrieved from <https://www.luminer.com/articles/faqs-on-fragrance-labeling-requirements/>

<sup>50</sup> "How EU Regulations Influence Fragrance in Cosmetics," Cosmetics and Toiletries, accessed on April 10, 2023, <https://www.cosmeticsandtoiletries.com/regulations/regional/article/21837141/how-eu-regulations-influence-fragrance-in-cosmetics>.

<sup>51</sup> U.S. Food and Drug Administration. "Prohibited & Restricted Ingredients in Cosmetics." Accessed on 10 April 2023. <https://www.fda.gov/cosmetics/cosmetics-laws-regulations/prohibited-restricted-ingredients-cosmetics>

<sup>52</sup> Zurick, G. (2021, September 23). Benefits of Electronic Health Records (EHRs). Regis College Online. Retrieved from



records (EHRs) has improved patient care, reduced medical errors, and provided researchers with valuable data for clinical studies. In finance<sup>53</sup>, the development of credit bureaus and financial databases has helped lenders and borrowers make informed decisions, and has reduced fraud and financial crime. However, the success of such a database would depend on a range of factors, including its design, accessibility, and the willingness of manufacturers to share information about their products.

To achieve this ambitious goal, the establishment of an international regulatory body for fragrances could be critical. This body would work to develop standards and regulations for fragrance ingredients and ensure compliance from manufacturers around the globe. Moreover, it could invest in research and development efforts to identify safer and more effective fragrance ingredients and provide incentives for manufacturers to participate in the database and comply with regulations. This would encourage greater transparency for consumers while promoting investment in the creation of safer, more effective fragrance ingredients.

The fragrance database could include a range of information about fragrance ingredients and their properties, including chemical composition, toxicity levels, and potential health effects. To address the issue of subjectivity it could also provide detailed information about the source of each ingredient, such as the plant or animal from which it is derived, and the extraction or manufacturing process used. Additionally, the database could feature notes on each fragrance, such as its scent profile<sup>54</sup>,

category, and intended use, as well as a similarity index based on evaluations from a panel of experts from an international regulatory body. The similarity index could be used to help consumers find fragrances that are similar to ones they already enjoy, while the notes could provide additional information to help consumers make informed purchasing decisions. The involvement of experts with deep knowledge of fragrance chemistry, olfactory aesthetics, and consumer preferences could help ensure the accuracy and reliability of the notes and similarity index. Overall, such a database could be a valuable tool for promoting transparency and safety in the fragrance industry.

By facilitating the development of a universal fragrance database and international regulatory body, we may offer a more comprehensive and effective solution to the challenges of regulating fragrances. It would help to ensure that consumers are fully informed about the products they use while promoting the innovation and development of safer and more effective fragrance ingredients. Ultimately, this solution could provide greater intellectual property protection for fragrances, while also contributing to the safety and well-being of people around the world who enjoy these unique and culturally significant products.

## VI. Conclusion

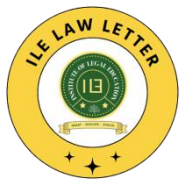
In conclusion, this paper has examined the challenges of regulating fragrances in the context of intellectual property laws. It has discussed the subjective nature of fragrances, their cultural significance, and the limitations of intellectual property laws in ensuring their safety and efficacy.

The paper has explored the regulatory landscape for fragrances, including industry self-regulation and government regulation, as well as the role of intellectual property laws in regulating fragrances through labeling requirements and ingredient restrictions. The paper has also proposed a new solution to the

<https://online.regiscollege.edu/online-masters-degrees/master-health-administration/benefits-of-electronic-health-records/>

<sup>53</sup> International Finance Corporation (IFC). (2021). The Emergence of New Data Ecosystems in Financial Services - Recent Developments in South East Asia. Retrieved from <https://www.ifc.org/wps/wcm/connect/2e81ea14-25b9-4f51-9145-4561a5a834ac/Credit+Data+Analysis+Study+final.pdf?CVID=nOqPXEA&MOD=AJPERES>

<sup>54</sup> In recent years, there has been a push to improve scent recognition and classification through the use of [gas chromatography](#) and [mass spectrometry](#) to create chemical profiles of odors, which could then be used to compare scents objectively.



challenges of regulating fragrances through the development of a universal fragrance database and international regulatory body.

The subjective nature and cultural significance of fragrances pose significant challenges to the effective regulation of their use and protection under intellectual property laws. However, the proposed solution of a universal fragrance database and international regulatory body could provide a more comprehensive and effective approach to regulation, while also facilitating greater transparency and innovation. A universal fragrance database and international regulatory body can help to address the subjective nature of fragrances by establishing clear standards and guidelines for the use of fragrance ingredients, promoting increased transparency and information availability, and facilitating the development of safer and more effective fragrance ingredients that are culturally appropriate.

The future of intellectual property laws and fragrances will require continued collaboration between industry, regulators, and consumers to ensure that these complex and culturally significant products are both safe and accessible. While there are limitations to the effectiveness of intellectual property laws in regulating fragrances, there is also significant potential for innovation and development in this space.

In answer to the question "***To what extent can intellectual property laws effectively regulate the use and protection of fragrances, given their subjective nature and cultural significance?***",

The answer is that they can be effective in protecting the innovative and unique aspects of fragrances. While these laws can be used to protect the unique and innovative aspects of fragrances, they have limitations in ensuring their safety and efficacy. The subjective nature and cultural significance of fragrances further complicate the regulatory landscape, as different cultures and individuals may have

varying preferences and perceptions of fragrances.

Labeling requirements and restrictions on certain fragrance ingredients are two approaches that can be used to regulate fragrances. However, they have limitations in ensuring the safety and efficacy of fragrances, particularly in the absence of clear and universal standards for fragrance ingredients. Additionally, the use of trade secret protection may limit the availability of information about fragrance ingredients, making it difficult for regulators and consumers to make informed decisions.

To overcome these challenges, a universal fragrance database and an international regulatory body for fragrances could be established. This would facilitate greater transparency and ensure that consumers are fully informed about the products they use. It could also promote research and development to identify safer and more effective fragrance ingredients.

In essence, while intellectual property laws can provide some level of regulation for fragrances, their effectiveness in ensuring safety and efficacy is limited. Although intellectual property laws can play a role in regulating the use and protection of fragrances, their effectiveness is limited by the subjective nature and cultural significance of fragrances. A comprehensive regulatory framework, such as a universal fragrance database and an international regulatory body for fragrances, could provide a more effective solution to the challenges of regulating fragrances in a global market.

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