***Patents and Applications Based on Molecular Modeling with Pro Flavor Plus Software***

* [**Malodor covering perfumery**](https://patents.justia.com/patent/7585833)

**Patent number:**7585833

**Abstract:**Methods of formulating products having nitrogen-based components to reduce malodor thereof and formulating fragrances to add to the product include selecting at least one malodor-reducing odorant determined by calculated values of air impact, flux, dipole moment, clogP and hydrogen bond donor and acceptor indexes and adding the fragrance to the product to mask malodor.

**Type:**Grant

**Filed:**February 17, 2006

**Date of Patent:**September 8, 2009

**Assignee:**Givaudan Fragrances Corporation

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Dana Sullivan, Veronica Goberdhan, Annette De Meo

* [**Optimized perfumery for rinse-off products**](https://patents.justia.com/patent/7517840)

**Patent number:**7517840

**Abstract:**Perfume compositions and method of formulating perfume compositions designed for use in rinse-off or high dilution systems provide a sustained linear release and/or a delayed release, with the odorants selected according to their mass transfer values, odor detection thresholds and/or calculated odor indices.

**Type:**Grant

**Filed:**April 7, 2006

**Date of Patent:**April 14, 2009

**Assignee:**Givaudan Fragrances Corporation

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Jill Mattila, Veronica Goberdhan

* [**Perfumes for rinse-off systems**](https://patents.justia.com/patent/7446079)

**Patent number:**7446079

**Abstract:**Perfume compositions and method of formulating perfume composition are designed for use in wash-off system to provide either a desired initial release with minimal residual perfume on the targeted system, a long sustained release of fragrance, or a residual deposition of fragrance after use, based upon the odorants selected according to their mass transfer values, odor detection thresholds and/or calculated odor indices.

**Type:**Grant

**Filed:**March 21, 2006

**Date of Patent:**November 4, 2008

**Assignee:**Givaudan Fragrances Corporation

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Jill Mattila, Jack Esteves, John Ranciato

* [**Perfumes for rinse-off systems**](https://patents.justia.com/patent/20070099804)

**Publication number:**20070099804

**Abstract:**Perfume compositions and method of formulating perfume composition are designed for use in wash-off system to provide either a desired initial release with minimal residual perfume on the targeted system, a long sustained release of fragrance, or a residual deposition of fragrance after use, based upon the odorants selected according to their mass transfer values, odor detection thresholds and/or calculated odor indices.

**Type:**Application

**Filed:**March 21, 2006

**Publication date:**May 3, 2007

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Jill Mattila, Jack Esteves, John Ranciato

* [**Optimized perfumery for rinse-off products**](https://patents.justia.com/patent/20070042934)

**Publication number:**20070042934

**Abstract:**Perfume compositions and method of formulating perfume compositions designed for use in rinse-off or high dilution systems provide a sustained linear release and/or a delayed release, with the odorants selected according to their mass transfer values, odor detection thresholds and/or calculated odor indices.

**Type:**Application

**Filed:**April 7, 2006

**Publication date:**February 22, 2007

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Jill Mattila, Veronica Goberdhan

* [**Malodor covering perfumery**](https://patents.justia.com/patent/20060207037)

**Publication number:**20060207037

**Abstract:**Methods of formulating products having nitrogen-based components to reduce malodor thereof and formulating fragrances to add to the product include selecting at least one malodor-reducing odorant determined by calculated values of air impact, flux, dipole moment, clogP and hydrogen bond donor and acceptor indexes and adding the fragrance to the product to mask malodor.

**Type:**Application

**Filed:**February 17, 2006

**Publication date:**September 21, 2006

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Dana Sullivan, Veronica Goberdhan, Annette Meo

* [**Perfumery for improved cold throw and burn in candle systems**](https://patents.justia.com/patent/20060003031)

**Publication number:**20060003031

**Abstract:**A fragrance composition for use in hydrophobic systems, such as candles, comprising at least one odorant selected for having a minimum cold throw value (?) and a minimum hot throw value (?) is disclosed. A method of formulating a fragrance composition for hydrophobic systems, such as candles, comprising selecting at least one odorant to form a desired fragrance, each odorant having a minimum cold throw value (?) and hot throw value (?), and incorporating the fragrance into a hydrophobic carrier, such as wax material, is disclosed.

**Type:**Application

**Filed:**June 30, 2005

**Publication date:**January 5, 2006

**Inventors:**Addi Fadel, Richard Turk, Grant Mudge, Jill Mattila, Robert Burke