

Title (en)

NANOFIBER STRUCTURES ON ASPERITIES FOR SEQUESTERING, CARRYING AND TRANSFERRING SUBSTANCES

Title (de)

NANOFASERSTRUKTUREN AUF RAUEN FLÄCHEN ZUR SEQUESTRIERUNG, HALTUNG UND ÜBERTRAGUNG VON SUBSTANZEN

Title (fr)

STRUCTURES DE NANOFIBRES PRÉSENTES SUR DES ASPÉRITÉS DESTINÉES À SÉQUESTERER, PORTER ET TRANSFÉRER DES SUBSTANCES

Publication

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Application

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Priority

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- US 79892806 P 20060509
- US 84850506 P 20060929
- US 84850606 P 20060929
- US 84850406 P 20060929
- US 84850706 P 20060929
- US 84821306 P 20060929

Abstract (en)

[origin: WO2008024141A2] A device which comprises a substrate which includes a plurality of asperities, such as microneedles, extending from the surface of the substrate, and an electrospun material in contact with the substrate. The electrospun material may comprise a plurality of nanofibers which carry at least one biologically active agent. Such devices are useful as transdermal delivery devices for delivering pharmaceuticals and other biologically active agents.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] US 2006085063 A1 20060420 - SHASTRI V P [US], et al
- [Y] US 2005137531 A1 20050623 - PRAUSNITZ MARK R [US], et al
- [Y] US 2006057165 A1 20060316 - DIMITRAKIOUDIS DIMITRIOS [CA], et al
- [Y] US 2005196380 A1 20050908 - MIKSZTA JOHN A [US], et al
- [A] WO 2006027780 A2 20060316 - UNIV RAMOT [IL], et al
- See references of WO 2008024141A2

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