

Title (en)
MEDICATED TATTOOS

Title (de)
MEDIZINISCHE TÄTOWIERUNGEN

Title (fr)
TATOUAGES MEDICAMENTES

Publication
EP 1341498 A2 20030910 (EN)

Application
EP 01994084 A 20011116

Priority
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• US 71406000 A 20001116

Abstract (en)
[origin: WO02076379A2] A transdermal medicament delivery device in the form of a printed temporary tattoo (2) which conceals the fact that the wearer is taking a drug. The ornamental appearance actually provides an incentive for wear. The medicated tattoo (2) includes a section of cardstock base paper (70), a clear base (50) bearing an ink design on one side, the clear base being attached to the cardstock base paper (70) on the other side by a release base (60) that dissolves when wet to allow detachment of the base paper, and an adhesive layer (20) coated over the ink design on the clear base for adhesion to the skin. A medicament or drug (30) is incorporated into the adhesive layer for diffusion therefrom into the skin of the wearer, and the adhesive layer (20) has predetermined permeability characteristics to ensure effective transdermal delivery of the medicament (30). The process for making the transdermal tattoos includes lithographic printing and silk screen coating to create the necessary layers, inclusive of drug deposition on the control membrane. Th net result is less susceptible to being dislodged, thereby allowing more conventional low-strength skin adhesives to make intentional removal easy and painless. Moreover, the tattoo can provide an outward visual indication of the progress of delivery.

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