

Title (en)  
PRINTED TRANSDERMAL DRUG DELIVERY DEVICE.

Title (de)  
VORRICHTUNG ZUR TRANSDERMALEN MEDIKAMENTENABGABE.

Title (fr)  
DISPOSITIF D'APPORT MEDICAMENTEUX PERCUTANE DEPOSE PAR EMPREINTE.

Publication  
**EP 0656771 A1 19950614 (EN)**

Application  
**EP 93901003 A 19921210**

Priority  
• US 9210672 W 19921210  
• US 93504492 A 19920825

Abstract (en)  
[origin: WO9404109A1] A transdermal drug delivery device (10) which can be worn by a human patient for 24 hours while continuously delivering a drug to the patient for approximately 16 hours is produced by a particular method of manufacture. The device (10) is particularly useful with respect to the delivery of drugs which, if delivered for 24 hours, result in problems such as drug tolerance (e.g., nitroglycerin) or sleep disorders (e.g., nicotine). The drug is loaded into the device (10) in a concentration such that the drug becomes depleted from the device after approximately 16 hours to the extent that the rate of delivery of the drug to the patient is slowed to such an extent that the pharmacological effect of the drug on the patient becomes substantially nonexistent. The device (10) is in the form of a laminated composite that is adapted to be adhered to a predetermined area of unbroken skin or mucosal tissue. The individual layers of the device include an upper backing or "outer skin" layer (11), an anchor adhesive layer (12), a source layer (13) onto which the drug and/or vehicles are deposited initially, a contact adhesive (14) which is adapted to adhere to the skin or mucosa, and a release liner (15).

IPC 1-7  
**A61F 13/00**

IPC 8 full level  
**A61F 13/00** (2006.01); **A61K 9/70** (2006.01); **A61K 31/465** (2006.01)

IPC 8 main group level  
**A61F** (2006.01)

CPC (source: EP KR)  
**A61F 13/00** (2013.01 - KR); **A61K 9/703** (2013.01 - EP); **A61K 9/7084** (2013.01 - EP); **A61K 31/465** (2013.01 - EP)

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9404109 A1 19940303**; AU 3247193 A 19940315; CA 2142871 A1 19940303; EP 0656771 A1 19950614; EP 0656771 A4 19960731; FI 950766 A0 19950220; FI 950766 A 19950322; JP H08502727 A 19960326; KR 950702811 A 19950823; NO 950725 D0 19950224; NO 950725 L 19950410

DOCDB simple family (application)  
**US 9210672 W 19921210**; AU 3247193 A 19921210; CA 2142871 A 19921210; EP 93901003 A 19921210; FI 950766 A 19950220; JP 50621392 A 19921210; KR 19950700729 A 19950225; NO 950725 A 19950224