

Title (en)

COMPOSITIONS AND METHODS FOR DERMALLY TREATING PAIN

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR DERMALEN SCHMERZBEHANDLUNG

Title (fr)

COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DERMIQUE DE LA DOULEUR

Publication

EP 1959931 A4 20120822 (EN)

Application

EP 06848632 A 20061214

Priority

- US 2006047926 W 20061214
- US 75051905 P 20051214
- US 75063705 P 20051214
- US 75068305 P 20051214

Abstract (en)

[origin: WO2007070679A2] The present invention is drawn to solidifying formulations for dermal delivery of a drug for treating pain, such as musculoskeletal pain, inflammation, joint pain, or neuropathic pain. The formulation can include a drug selected from certain drug classes, a solvent vehicle, and a solidifying agent. The solvent vehicle can include a volatile solvent system comprising at least one volatile solvent, and a non-volatile solvent system comprising at least one non-volatile solvent, wherein the evaporation of at least some of the volatile solvent converts the formulation on the skin into a solidified layer and the non-volatile solvent system is capable of facilitating the topical delivery of the drug(s) at therapeutically effective rates over a sustained period of time.

IPC 8 full level

A61K 9/12 (2006.01); **A61K 31/74** (2006.01)

CPC (source: EP)

A61K 9/0014 (2013.01); **A61P 21/00** (2017.12); **A61P 25/00** (2017.12); **A61P 29/00** (2017.12); **A61K 47/10** (2013.01); **A61K 47/18** (2013.01)

Citation (search report)

- [Y] WO 9729735 A1 19970821 - UNIV MONASH [AU], et al
- [Y] US 2004018241 A1 20040129 - HOUZE DAVID [US], et al
- [Y] WO 0137890 A1 20010531 - KO THOMAS SAI YING [AU]
- [Y] KONDO S ET AL: "Enhancement of transdermal delivery by superfluous thermodynamic potential. I. Thermodynamic analysis of nifedipine transport across the lipoidal barrier", JOURNAL OF PHARMACOBIO-DYNAMICS, TOKYO, JP, vol. 10, 1 January 1987 (1987-01-01), pages 587 - 594, XP002611468, ISSN: 0386-846X
- See references of WO 2007070679A2

Citation (examination)

WO 0122907 A1 20010405 - ZARS [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007070679 A2 20070621; **WO 2007070679 A3 20090108**; AU 2006326018 A1 20070621; AU 2006326018 B2 20130418; CA 2633515 A1 20070621; CA 2633515 C 20111018; EP 1959931 A2 20080827; EP 1959931 A4 20120822; JP 2009524586 A 20090702

DOCDB simple family (application)

US 2006047926 W 20061214; AU 2006326018 A 20061214; CA 2633515 A 20061214; EP 06848632 A 20061214; JP 2008545844 A 20061214