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(54) Title: COMPOSITIONS AND METHODS FOR DERMALLY TREATING NEUROPATHY WITH MINOXIDIL

(57) Abstract: The present invention is drawn to adhesive solidifying formulations containing minoxidil that can be used for treating neuropathies including diabetic neuropathy. The formulation can include an amount of minoxidil, a solvent vehicle, and a solidifying agent. The solvent vehicle can include a volatile solvent system including at least one volatile solvent, and a non-volatile solvent system including at least one non-volatile solvent capable of facilitating the delivery of the minoxidil at therapeutically effective rates over a sustained period of time. The formulation can have a viscosity suitable for application to a skin surface prior to evaporation of the volatile solvents system. When applied to the skin, the formulation can form a solidified layer after at least a portion of the volatile solvent system is evaporated.



WO 2009/017767 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 08/09222

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A01N 43/54; A61K 31/505, 8/00 (2008.04)

USPC - 514/269; 424/70.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 514/269; 424/70.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC 424/45, 47; 514/182, 275 (see search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Electronic Databases Searched: USPTO WEST (PGPUB, EPAB, JPAB, USPT), Google Patent, Google Scholar. Search Terms Used: polyurethane, minoxidil and neuropathy, volatile solvent, corn oil, methyl cellulose, dexamethasone, propylene glycol

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0276842 A1 (Zhang et al.) 15 December 2005 (15.12.2005) abstract; para [0009]-[0013], [0026]-[0027], [0034], [0040]-[0041], [0043]-[0046], [0053], [0056], [0060], [0062], [0073], [0078], [0081], [0095], [0134]	1-112
Y	US 2005/0158274 A1 (Hunter et al.) 21 July 2005 (21.07.2005) para [0056], [0060], [0144], [0273], [0669]	1-112

☐ Further documents are listed in the continuation of Box C.

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