

Title (en)
NOVEL CRYSTALLINE FORMS OF ENTACAPONE AND PRODUCTION THEREOF

Title (de)
NEUE KRISTALLINE FORMEN VON ENTACAPONE UND DEREN HERSTELLUNG

Title (fr)
NOUVELLES FORMES CRISTALLINES D'ENTACAPONE ET FABRICATION

Publication
EP 1713768 A2 20061025 (DE)

Application
EP 04802394 A 20041227

Priority

- CH 2004000754 W 20041227
- CH 0300853 W 20031231
- CH 9402004 A 20040604

Abstract (en)
[origin: WO2005063696A2] The invention relates to three novel forms of entacapone. These are peripheral and selective COMT inhibitors which in combination with levodopa and decarboxylase inhibitors can be used to treating Parkinson's syndrome. Said novel forms arise by crystallization of entacapone in respectively determined conditions. In certain cases, entacapone can be used as a raw product, in a special case it can be used in situ as the product of Knoevenagel condensation of 3,4-dihydroxy-5-nitro-benzaldehyde and N,N-diethyl-2-cyano-acetamide. Also disclosed are improvements of said condensation in relation to the catalyst and the production of the two components thereof.

IPC 8 full level
C07C 255/41 (2006.01); **A61K 31/277** (2006.01); **A61P 25/16** (2006.01); **C07C 253/30** (2006.01)

CPC (source: EP US)
A61P 25/16 (2017.12 - EP); **C07C 255/41** (2013.01 - EP US); **C07B 2200/13** (2013.01 - EP US)

Citation (search report)
See references of WO 2005063696A2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005063696 A2 20050714; WO 2005063696 A3 20050909; EP 1713768 A2 20061025; US 2008076825 A1 20080327

DOCDB simple family (application)
CH 2004000754 W 20041227; EP 04802394 A 20041227; US 58490004 A 20041227