

Title (en)
METHOD FOR HYDROGENATING AN ANTHRAQUINONE COMPOUND

Title (de)
VERFHAREN ZUR HYDRIERUNG EINER ANTHRACHINON-VERBINDUNG

Title (fr)
PROCEDE POUR HYDROGENER UN COMPOSE D'ANTHRAQUINONE

Publication
EP 1027282 A1 20000816 (DE)

Application
EP 98959803 A 19981026

Priority
• DE 19747407 A 19971027
• EP 9806789 W 19981026

Abstract (en)
[origin: DE19747407A1] In the catalytic hydrogenation of anthraquinone compounds, the homogeneous catalyst comprises sub-group VIII metals, deposited in situ on a support.

IPC 1-7
C01B 15/023

IPC 8 full level
B01J 23/46 (2006.01); **C01B 15/013** (2006.01); **C01B 15/023** (2006.01); **C07C 37/00** (2006.01); **C07C 45/61** (2006.01); **C07C 49/737** (2006.01)

CPC (source: EP KR US)
C01B 15/013 (2013.01 - EP US); **C01B 15/023** (2013.01 - EP KR US); **C07C 37/07** (2013.01 - EP US); **C07C 2603/24** (2017.04 - EP US)

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
DE 19747407 A1 19990429; AU 1557599 A 19990517; CA 2308459 A1 19990506; CN 1160248 C 20040804; CN 1283164 A 20010207; EP 1027282 A1 20000816; ID 24657 A 20000727; JP 2001521012 A 20011106; KR 20010031521 A 20010416; MX 219608 B 20040330; MX PA00004065 A 20010101; US 2002012627 A1 20020131; US 6464954 B2 20021015; WO 9921792 A1 19990506

DOCDB simple family (application)
DE 19747407 A 19971027; AU 1557599 A 19981026; CA 2308459 A 19981026; CN 98812709 A 19981026; EP 9806789 W 19981026; EP 98959803 A 19981026; ID 20000787 A 19981026; JP 2000517908 A 19981026; KR 20007004562 A 20000427; MX PA00004065 A 20000427; US 52940400 A 20000426