

Title (en)

METHOD FOR PRODUCING CATALYSTS CONTAINING RUTHENIUM AND THE USE THEREOF FOR HYDROGENATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON RUTHENIUM ENTHALTENDEN KATALYSATOREN UND DEREN VERWENDUNG BEI HYDRIERUNGEN

Title (fr)

PROCEDE DE PREPARATION DE CATALYSEURS CONTENANT DU RUTHENIUM ET ELUR UTILISATION POUR DES OPERATIONS D'HYDROGENATION

Publication

EP 1051250 A1 20001115 (DE)

Application

EP 99932416 A 19990116

Priority

- DE 19803888 A 19980131
- EP 9900236 W 19990116

Abstract (en)

[origin: DE19803888A1] The invention relates to a method for obtaining advantageous catalysts, especially for hydrogenation. According to said method, a suspension of a ruthenium compound with a specific surface area of 50 to 300 m²/g is brought together with a solution of at least one metal compound. At least one of these metal compounds contains a different metal to ruthenium with an atomic number of 23 to 82. The mixture of the suspension and the solution is then treated with a reducing agent.

IPC 1-7

B01J 23/46; **B01J 23/56**; **B01J 23/656**; **C07C 29/149**

IPC 8 full level

B01J 23/46 (2006.01); **B01J 23/56** (2006.01); **B01J 23/656** (2006.01); **B01J 23/89** (2006.01); **C07B 41/02** (2006.01); **C07B 61/00** (2006.01); **C07C 29/149** (2006.01); **C07C 31/20** (2006.01); **C07C 31/22** (2006.01); **C07C 213/00** (2006.01); **C07C 213/02** (2006.01); **C07C 215/08** (2006.01)

CPC (source: EP US)

B01J 23/462 (2013.01 - EP US); **B01J 23/56** (2013.01 - EP US); **B01J 23/6567** (2013.01 - EP US); **C07B 41/02** (2013.01 - EP US); **C07C 29/149** (2013.01 - EP US); **C07C 213/02** (2013.01 - EP US); **C07B 2200/07** (2013.01 - EP US)

Citation (search report)

See references of WO 9938613A1

Designated contracting state (EPC)

BE CH DE ES FR GB IE IT LI PT

DOCDB simple family (publication)

DE 19803888 A1 19990805; AU 3249499 A 19990816; EP 1051250 A1 20001115; JP 2002501817 A 20020122; US 6376414 B1 20020423; WO 9938613 A1 19990805

DOCDB simple family (application)

DE 19803888 A 19980131; AU 3249499 A 19990116; EP 9900236 W 19990116; EP 99932416 A 19990116; JP 2000529897 A 19990116; US 60105100 A 20000725