

Title (en)

PROCESS FOR PRODUCING SUPPORTED SILVER CATALYST

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GETRÄGERTEN SILBERKATALYSATORS

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN CATALYSEUR À L'ARGENT SUPPORTÉ

Publication

EP 2771107 A4 20150902 (DE)

Application

EP 12843591 A 20121026

Priority

- EP 11187095 A 20111028
- IB 2012055912 W 20121026
- EP 12843591 A 20121026

Abstract (en)

[origin: WO2013061294A1] The invention relates to a process for producing a supported silver catalyst, having the following steps: (a) reacting oxalic acid with an alkali metal base in a solvent, preferably water, up to the second equivalence point of the oxalic acid, thereby obtaining alkali metal oxalate; (b) reacting the alkali metal oxalate obtained according to (a) with a silver salt in a solvent, preferably water, thereby obtaining silver oxalate; (c) complexing the silver oxalate obtained according to (b) with a diamine compound in a solvent, preferably water, thereby obtaining a diamine-silver oxalate complex.

IPC 8 full level

B01J 21/04 (2006.01); **B01J 23/50** (2006.01); **B01J 23/68** (2006.01); **B01J 37/04** (2006.01); **C07D 301/10** (2006.01); **B01J 31/18** (2006.01);
B01J 31/22 (2006.01); **B01J 35/10** (2006.01); **B01J 37/08** (2006.01)

CPC (source: EP)

B01J 21/04 (2013.01); **B01J 23/002** (2013.01); **B01J 23/50** (2013.01); **B01J 23/66** (2013.01); **B01J 23/687** (2013.01); **B01J 23/688** (2013.01);
B01J 35/40 (2024.01); **B01J 35/50** (2024.01); **B01J 35/612** (2024.01); **B01J 35/633** (2024.01); **B01J 35/653** (2024.01); **B01J 35/657** (2024.01);
B01J 35/69 (2024.01); **B01J 37/0201** (2013.01); **B01J 37/0213** (2013.01); **B01J 37/06** (2013.01); **C07D 301/10** (2013.01); **B01J 35/651** (2024.01);
B01J 37/086 (2013.01); **B01J 2523/00** (2013.01)

C-Set (source: EP)

B01J 2523/00 + B01J 2523/11 + B01J 2523/15 + B01J 2523/18 + B01J 2523/62 + B01J 2523/69 + B01J 2523/74

Citation (search report)

- [IY] EP 0764464 A2 19970326 - MITSUBISHI CHEM CORP [JP]
- [IAY] US 2008081920 A1 20080403 - GUECKEL CHRISTIAN [US]
- [Y] WO 2011000668 A1 20110106 - BASF SE [DE], et al
- [Y] WO 2004101144 A1 20041125 - SHELL OIL CO [US], et al
- [Y] WO 2006102189 A1 20060928 - SHELL OIL CO [US], et al
- See also references of WO 2013061294A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013061294 A1 20130502; CN 103906568 A 20140702; CN 103906568 B 20170118; EP 2771107 A1 20140903; EP 2771107 A4 20150902;
JP 2015501212 A 20150115

DOCDB simple family (application)

IB 2012055912 W 20121026; CN 201280052894 A 20121026; EP 12843591 A 20121026; JP 2014537798 A 20121026