

Title (en)
OXIDATION METHOD

Title (de)
OXIDATIONSVERFAHREN

Title (fr)
PROCEDE D'OXYDATION

Publication
EP 1536885 A1 20050608 (DE)

Application
EP 03790836 A 20030730

Priority
• DE 10240816 A 20020830
• EP 0308407 W 20030730

Abstract (en)
[origin: WO2004020083A1] The invention relates to a method for oxidising an educt using an oxidant in order to obtain a product. Said method is characterised in that the oxidation is carried out in a reaction device (1) comprising a sump region at the lower end, a head region at the upper end and a reaction zone (1) between the sump region and the head region, that the reaction mixture is maintained at boiling point in the reaction zone and that the oxidant is introduced into the reaction zone in at least two sub-streams (5).

IPC 1-7
B01J 19/00; B01J 10/00; C07C 45/33; C07C 51/16

IPC 8 full level
B01J 10/00 (2006.01); **B01J 19/00** (2006.01); **C07B 61/00** (2006.01); **C07C 27/12** (2006.01); **C07C 29/50** (2006.01); **C07C 35/08** (2006.01); **C07C 45/33** (2006.01); **C07C 45/34** (2006.01); **C07C 45/35** (2006.01); **C07C 45/36** (2006.01); **C07C 49/403** (2006.01); **C07C 51/215** (2006.01); **C07C 51/25** (2006.01); **C07C 51/265** (2006.01); **C07C 407/00** (2006.01); **C07C 409/14** (2006.01); **C07C 409/16** (2006.01)

CPC (source: EP KR US)
B01J 10/00 (2013.01 - KR); **B01J 19/00** (2013.01 - KR); **B01J 19/18** (2013.01 - KR); **C07C 29/50** (2013.01 - EP US); **C07C 45/33** (2013.01 - EP US); **C07C 45/34** (2013.01 - EP US); **C07C 45/35** (2013.01 - EP US); **C07C 45/36** (2013.01 - EP US); **C07C 51/215** (2013.01 - EP US); **C07C 51/252** (2013.01 - EP US); **C07C 51/265** (2013.01 - EP US); **C07C 407/00** (2013.01 - EP US); **C07C 409/14** (2013.01 - EP US); **B01J 2219/00103** (2013.01 - EP US); **B01J 2219/00108** (2013.01 - EP US); **B01J 2219/0011** (2013.01 - EP US); **C07C 2601/14** (2017.04 - EP US); **Y02P 20/582** (2015.11 - EP US)

Citation (search report)
See references of WO 2004020083A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004020083 A1 20040311; AU 2003250195 A1 20040319; BR 0313572 A 20050621; CN 1678389 A 20051005; DE 10240816 A1 20040311; EP 1536885 A1 20050608; JP 2005536341 A 20051202; JP 2010018629 A 20100128; KR 20050037591 A 20050422; MX PA05001092 A 20050428; PL 375785 A1 20051212; RU 2005109150 A 20050810; RU 2346920 C2 20090220; TW 200404756 A 20040401; US 2005288532 A1 20051229

DOCDB simple family (application)
EP 0308407 W 20030730; AU 2003250195 A 20030730; BR 0313572 A 20030730; CN 03820578 A 20030730; DE 10240816 A 20020830; EP 03790836 A 20030730; JP 2004531837 A 20030730; JP 2009236899 A 20091014; KR 20057003201 A 20050225; MX PA05001092 A 20030730; PL 37578503 A 20030730; RU 2005109150 A 20030730; TW 92119976 A 20030722; US 52546805 A 20050224