

Title (en)
METHOD FOR PRODUCING PEROXODISULFATES IN AQUEOUS SOLUTION

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PEROXODISULFATEN IN WÄSSRIGER LÖSUNG

Title (fr)
PROCEDE POUR PRODUIRE DES PEROXODISULFATES EN SOLUTION AQUEUSE

Publication
EP 1753894 A2 20070221 (DE)

Application
EP 05756088 A 20050603

Priority
• EP 2005006008 W 20050603
• DE 102004027623 A 20040605

Abstract (en)
[origin: WO2005121408A2] The invention relates to a method for producing or regenerating persulfuric acid and the salts thereof by electrolysis of an aqueous solution containing sulfuric acid and/or metal sulfates on diamond-coated electrodes without using promoters. According to the inventive method, bipolar silicon electrodes are used which are diamond-coated on one side and whose uncoated silicon back is used as the cathode.

IPC 8 full level
C01B 15/00 (2006.01); **C25B 9/17** (2021.01)

CPC (source: EP KR US)
C25B 1/22 (2013.01 - EP KR US); **C25B 1/29** (2021.01 - EP KR US); **C25B 1/30** (2013.01 - EP KR US); **C25B 9/17** (2021.01 - KR); **C25B 9/73** (2021.01 - KR); **C25B 9/75** (2021.01 - EP KR US); **C25B 11/036** (2021.01 - EP KR US); **C25B 11/051** (2021.01 - EP US); **C25B 11/059** (2021.01 - EP KR US); **C25B 11/075** (2021.01 - EP KR US)

Citation (search report)
See references of WO 2005121408A2

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 2005121408 A2 20051222; WO 2005121408 A3 20060608; AT E373118 T1 20070915; BR PI0511816 A 20071226; BR PI0511816 B1 20150728; CN 100591805 C 20100224; CN 1965107 A 20070516; DE 102004027623 A1 20051222; DE 502005001500 D1 20071025; EP 1753894 A2 20070221; EP 1753894 B1 20070912; ES 2290917 T3 20080216; JP 2008501856 A 20080124; JP 4852037 B2 20120111; KR 20070042141 A 20070420; US 2007187254 A1 20070816; US 2011132771 A1 20110609; US 2016186338 A1 20160630; US 9840783 B2 20171212

DOCDB simple family (application)
EP 2005006008 W 20050603; AT 05756088 T 20050603; BR PI0511816 A 20050603; CN 200580018399 A 20050603; DE 102004027623 A 20040605; DE 502005001500 T 20050603; EP 05756088 A 20050603; ES 05756088 T 20050603; JP 2007513875 A 20050603; KR 20077000239 A 20070104; US 201113027672 A 20110215; US 201615062836 A 20160307; US 56946405 A 20050603