

Title (en)

METHOD FOR ELECTROLYTICALLY DECOMPOSING HYDROGEN SULFIDE

Title (de)

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Title (fr)

PROCÉDÉ PERMETTANT LA SÉPARATION ÉLECTROLYTIQUE D'HYDROGÈNE SULFURÉ

Publication

EP 2430213 A1 20120321 (DE)

Application

EP 10721455 A 20100512

Priority

- EP 2010056565 W 20100512
- EP 09160208 A 20090514
- EP 10721455 A 20100512

Abstract (en)

[origin: WO2010130791A1] The invention relates to a method for electrolytically decomposing hydrogen sulfide dissolved in an amine scrubber solution in an electrolysis cell (11), which comprises an anode chamber (9) and a cathode chamber (15), wherein the anode chamber (9) and the cathode chamber (15) are separated by a membrane (13), wherein at least one conducting salt is added to the amine scrubber solution, an anion-conducting membrane is used to separate the anode chamber (9) and the cathode chamber (15), and/or the amine scrubber solution in which the hydrogen sulfide is dissolved contains at least 10 vol.% potassium-N,N-dimethylamino acetic acid. The invention further relates to a use of the method.

IPC 8 full level

C25B 1/00 (2006.01); **B01D 53/14** (2006.01); **C01B 17/05** (2006.01)

CPC (source: EP US)

B01D 53/1425 (2013.01 - EP US); **B01D 53/326** (2013.01 - EP US); **C25B 1/00** (2013.01 - EP US); **B01D 2251/21** (2013.01 - EP US); **B01D 2257/304** (2013.01 - EP US)

Citation (search report)

See references of WO 2010130791A1

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010130791 A1 20101118; CA 2759498 A1 20101118; EP 2430213 A1 20120321; US 2012055808 A1 20120308

DOCDB simple family (application)

EP 2010056565 W 20100512; CA 2759498 A 20100512; EP 10721455 A 20100512; US 201013320153 A 20100512