

Title (en)

ELECTROLYSIS CELL FOR HYDROGEN CHLORIDE ELECTROLYSIS

Title (de)

ELEKTROLYSEZELLE ZUR CHLORWASSERSTOFFELEKTROLYSE

Title (fr)

CELLULE D'ÉLECTROLYSE POUR L'ÉLECTROLYSE DE CHLORURE D'HYDROGÈNE

Publication

EP 2260124 A1 20101215 (DE)

Application

EP 09724561 A 20090325

Priority

- EP 2009002163 W 20090325
- DE 102008015901 A 20080327

Abstract (en)

[origin: US2011005938A1] Apparatus for hydrogen chloride electrolysis, comprising a cathode that has a layer of nitrogen-doped carbon nanotubes having functional groups containing nitrogen.

IPC 8 full level

C25B 1/26 (2006.01); **C25B 9/19** (2021.01)

CPC (source: EP KR US)

C25B 1/26 (2013.01 - EP KR US); **C25B 9/19** (2021.01 - KR); **C25B 11/065** (2021.01 - KR); **C25B 11/091** (2021.01 - EP KR US); **C25B 15/02** (2013.01 - KR); **C25B 15/08** (2013.01 - KR)

Citation (search report)

See references of WO 2009118162A1

Cited by

WO2020216648A1

Designated contracting state (EPC)

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 TR

Designated extension state (EPC)

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DOCDB simple family (publication)

US 2011005938 A1 20110113; **US 8778148 B2 20140715**; CN 101981232 A 20110223; CN 101981232 B 20130313; DE 102008015901 A1 20091001; EP 2260124 A1 20101215; EP 2260124 B1 20170712; IL 207813 A0 20101230; JP 2011515585 A 20110519; JP 5438092 B2 20140312; KR 20110009091 A 20110127; TW 201000678 A 20100101; WO 2009118162 A1 20091001; WO 2009118162 A8 20101007

DOCDB simple family (application)

US 92020209 A 20090325; CN 200980111057 A 20090325; DE 102008015901 A 20080327; EP 09724561 A 20090325; EP 2009002163 W 20090325; IL 20781310 A 20100826; JP 2011501138 A 20090325; KR 20107021251 A 20090325; TW 98109820 A 20090326