

Title (en)
HCL PRODUCTION METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HCL

Title (fr)
PROCÉDÉ DE PRODUCTION DE CHLORURE D'HYDROGÈNE

Publication
EP 2601133 A1 20130612 (EN)

Application
EP 11746282 A 20110802

Priority
• GB 201012985 A 20100802
• GB 2011001160 W 20110802

Abstract (en)
[origin: GB2482485A] A process and apparatus is disclosed for the production of aqueous HCl from a material that contains chlorine atoms, the process comprising plasma treating the material in a plasma treatment unit to produce an off-gas containing at least some of the chlorine atoms; and passing at least some of the off-gas to a condensing unit to recover HCl in an aqueous form. The material used may be air pollution control residue such as fly ash. The plasma treatment may form a slag which is continuously removed.

IPC 8 full level
C01B 7/01 (2006.01); **A62D 3/19** (2007.01); **C01B 7/07** (2006.01); **F23G 5/08** (2006.01)

CPC (source: EP GB)
B01D 53/68 (2013.01 - GB); **C01B 7/01** (2013.01 - EP GB); **C01B 7/0706** (2013.01 - EP); **F23G 5/085** (2013.01 - EP);
B01D 53/002 (2013.01 - EP); **B01D 2257/2045** (2013.01 - EP)

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)
GB 201012985 D0 20100915; GB 2482485 A 20120208; AU 2011287422 A1 20130228; AU 2011287422 B2 20141127;
BR 112013002473 A2 20160524; CA 2807280 A1 20120209; CN 103153846 A 20130612; CN 103153846 B 20160525;
EP 2601133 A1 20130612; MY 157559 A 20160630; WO 2012017200 A1 20120209

DOCDB simple family (application)
GB 201012985 A 20100802; AU 2011287422 A 20110802; BR 112013002473 A 20110802; CA 2807280 A 20110802;
CN 201180045313 A 20110802; EP 11746282 A 20110802; GB 2011001160 W 20110802; MY PI2013000347 A 20110802