

Title (en)
ALUMINIUM PRODUCTION PROCESS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ALUMINIUM

Title (fr)
PROCEDE DE PRODUCTION D'ALUMINIUM

Publication
EP 1716261 A1 20061102 (EN)

Application
EP 05706240 A 20050216

Priority
• AU 2005000192 W 20050216
• AU 2004900768 A 20040216

Abstract (en)
[origin: WO2005078145A1] A process of producing aluminium and aluminium-containing materials from a solid aluminium-containing feed material is disclosed. The process comprises leaching the aluminium-containing feed material with a leach liquor and forming an aqueous solution containing aluminium ions, extracting aluminium ions from the aqueous solution by contacting the aqueous solution with an organic reagent and loading aluminium ions onto the organic reagent and forming an aluminium complex, and recovering aluminium or an aluminium-containing material from the aluminium complex.

IPC 8 full level
C22B 3/36 (2006.01); **C22B 3/04** (2006.01); **C22B 3/26** (2006.01); **C22B 3/28** (2006.01); **C22B 21/00** (2006.01)

CPC (source: EP US)
C22B 3/04 (2013.01 - EP US); **C22B 3/26** (2021.05 - EP US); **C22B 21/0015** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

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 2005078145 A1 20050825; BR PI0507748 A 20070710; CA 2556613 A1 20050825; CN 100406588 C 20080730; CN 1930313 A 20070314; EP 1716261 A1 20061102; EP 1716261 A4 20080917; RU 2006133309 A 20080327; RU 2363748 C2 20090810; US 2007278106 A1 20071206

DOCDB simple family (application)
AU 2005000192 W 20050216; BR PI0507748 A 20050216; CA 2556613 A 20050216; CN 200580008287 A 20050216; EP 05706240 A 20050216; RU 2006133309 A 20050216; US 59806105 A 20050216