

Title (en)  
LEACH PROCESS

Title (de)  
LAUGUNGSVERFAHREN

Title (fr)  
PROCÉDÉ DE LIXIVIATION

Publication  
**EP 2697401 A4 20150408 (EN)**

Application  
**EP 12771850 A 20120413**

Priority  
• AU 2011901390 A 20110413  
• AU 2012000379 W 20120413

Abstract (en)  
[origin: WO2012139166A1] A leach process (70) comprising the following steps: i) Passing a metal containing waste material (72) from a mineral processing operation (96) to a biological leach step (74) in which a proportion of the metal is extracted into a pregnant leach solution (76); and ii) Passing the pregnant leach solution (76) from step i) to downstream metal recovery.

IPC 8 full level  
**C22B 3/18** (2006.01)

CPC (source: EP US)  
**C22B 3/06** (2013.01 - EP US); **C22B 3/18** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)  
• [X] WO 9216667 A1 19921001 - BAC TECH AUSTRALIA [AU]  
• [I] WO 0144519 A1 20010621 - PACIFIC ORE TECH AUSTRALIA LTD [AU], et al  
• [I] EP 1785497 A2 20070516 - BOLIDEN MINERAL AB [SE]  
• [A] KANG S-H ED - MATSUTO TOSHIHIKO ET AL: "METAL RECOVERY FROM MINE TAILINGS USING BACTERIA", WASTE MANAGEMENT, ELSEVIER, NEW YORK, NY, US, vol. 14, no. 8, 1 January 1994 (1994-01-01), pages 687 - 691, XP000512518, ISSN: 0956-053X, DOI: 10.1016/0956-053X(94)90055-8  
• See references of WO 2012139166A1

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)  
**WO 2012139166 A1 20121018**; AU 2012243436 A1 20130418; AU 2012243436 B2 20150129; AU 2012243436 C1 20220203;  
CA 2832512 A1 20121018; CA 2832512 C 20190716; CL 2013002968 A1 20140328; EP 2697401 A1 20140219; EP 2697401 A4 20150408;  
PE 20140641 A1 20140622; US 2014127789 A1 20140508

DOCDB simple family (application)  
**AU 2012000379 W 20120413**; AU 2012243436 A 20120413; CA 2832512 A 20120413; CL 2013002968 A 20131011; EP 12771850 A 20120413;  
PE 2013002276 A 20120413; US 201214111381 A 20120413