

Title (en)

METHOD AND ARRANGEMENT OF SEPARATING ARSENIC FROM STARTING MATERIALS

Title (de)

VERFAHREN UND ANORDNUNG ZUR TRENNUNG VON ARSEN AUS AUSGANGSMATERIALIEN

Title (fr)

PROCÉDÉ ET AGENCEMENT PERMETTANT DE SÉPARER L'ARSENIC DE MATIÈRES PREMIÈRES

Publication

**EP 3074545 A1 20161005 (EN)**

Application

**EP 14809444 A 20141127**

Priority

- FI 20136200 A 20131129
- FI 2014050924 W 20141127

Abstract (en)

[origin: WO2015079116A1] A method and arrangement of separating arsenic and optionally antimony from a starting material, comprising -a low acid leaching step for leaching a first part of iron, arsenic, copper and optionally antimony, into the first leaching solution, -a first solid-liquid separation step, wherein a first solid leach residue is separated from the first leach solution, -a high acid leaching step for leaching a second part of iron, arsenic, copper and optionally antimony into the second leach solution, -a second solid-liquid separation step for obtaining a second solid leach residue and the second leach solution is recycled back to the low acid leaching step, -a precipitation step for obtaining a precipitate comprising ferric arsenate and optionally antimony compounds, and -a third solid-liquid separation step, wherein the solution comprising copper is separated from the obtained precipitate.

IPC 8 full level

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CPC (source: EP FI KR)

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**C22B 30/02** (2013.01 - EP KR); **C22B 30/04** (2013.01 - EP FI KR); **Y02P 10/20** (2015.11 - EP KR); **Y02W 30/50** (2015.05 - KR)

Citation (search report)

See references of WO 2015079116A1

Citation (examination)

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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015079116 A1 20150604**; AR 098554 A1 20160601; CL 2016001252 A1 20161021; CN 105765090 A 20160713; EP 3074545 A1 20161005; FI 126884 B 20170714; FI 20136200 A 20150530; KR 101763549 B1 20170731; KR 20160075688 A 20160629

DOCDB simple family (application)

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