

Title (en)  
PROCESS FOR EXTRACTING ALUMINUM FROM ALUMINOUS ORES

Title (de)  
VERFAHREN ZUR EXTRAKTION VON ALUMINIUM AUS ALUMINIUMERZEN

Title (fr)  
PROCÉDÉ D'EXTRACTION D'ALUMINIUM À PARTIR DE MINÉRAIS ALUMINEUX

Publication  
**EP 2640862 A1 20130925 (EN)**

Application  
**EP 11841479 A 20111118**

Priority  
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Abstract (en)  
[origin: WO2012065253A1] There is provided a method for extracting aluminum ions from aluminous ores, such as argillite. The process comprises leaching the argillite with an acid such as HCl so as to obtain a composition comprising the aluminum ions and iron ions; at least partially removing the iron ions from the composition by substantially selectively precipitating the iron at a pH of about 3 to about 6 by adding a base and at least partially removing the precipitated iron ions so as to obtain an Al-rich composition; and optionally purifying the Al-rich composition by adding a base for substantially selectively precipitating the aluminum ions, by means of a hollow fiber membrane, or by a liquid-liquid extraction.

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