

Title (en)  
ARRANGEMENT AND METHOD FOR RECOVERING LITHIUM HYDROXIDE

Title (de)  
ANORDNUNG UND VERFAHREN ZUR RÜCKGEWINNUNG VON LITHIUMHYDROXID

Title (fr)  
AGENCEMENT ET PROCÉDÉ DE RÉCUPÉRATION D'HYDROXYDE DE LITHIUM

Publication  
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Application  
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Abstract (en)  
[origin: WO2021094647A1] The present invention relates to an arrangement and a method for recovering lithium hydroxide from a fresh feed comprising a mineral raw material containing lithium or a raw material containing lithium carbonate, or a mixture of these raw materials, combined with a recycled solution and/or slurry containing lithium, by pulping the feed in the presence of water and alkali metal carbonate, leaching the obtained slurry twice, first at an elevated temperature, and secondly in an aqueous solution containing alkali earth metal hydroxide, separating the thus obtained slurry into solids that may be discarded, and a solution containing lithium hydroxide, whereby lithium hydroxide mono hydrate can be recovered from the solution by crystallising, and finally separating the solution and/or slurry obtained during the crystallization from the process and recycling it to one or more previous step, including the pulp- ing step, and optionally the first leaching step.

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- [E] WO 2019220004 A1 20191121 - OUTOTEC FINLAND OY [FI]
- [A] GB 1052747 A 19601230
- See references of WO 2021094647A1

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