

Title (en)
BAUXITE TREATMENT

Title (de)
BEHANDLUNG VON BAUXIT

Title (fr)
TRAITEMENT DE LA BAUXITE

Publication
EP 0880468 A1 19981202 (EN)

Application
EP 97902108 A 19970211

Priority
• AU 9700074 W 19970211
• AU PN808296 A 19960215

Abstract (en)
[origin: WO9729993A1] Prior to the digestion of bauxite (which contains silica) in a digestion solution such as caustic soda for the production of aluminium oxide, the bauxite is mechanically activated to induce a mechanochemical reaction in the presence of a reagent such as lime. At least a portion of the silica is rendered insoluble and unreactive to the formation of sodium-aluminium-silicate desilication product (DSP) during subsequent digestion of the bauxite in the digestion solution.

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C01F 7/06

IPC 8 full level
C01F 7/0613 (2022.01)

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