

Title (en)  
BAUXITE TREATMENT

Title (de)  
BEHANDLUNG VON BAUXIT

Title (fr)  
TRAITEMENT DE LA BAUXITE

Publication  
**EP 0880468 A4 19990512 (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)

CPC (source: EP)  
**C01F 7/0613** (2013.01)

Citation (search report)  
• [XY] US 3357792 A 19671212 - ISTVAN GEBEFUGI  
• [Y] DE 4036448 A1 19910523 - PAWLEK FRANZ PROF DR ING [DE]  
• [A] DD 50059 A  
• See references of WO 9729993A1

Cited by  
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DE ES FR GB GR IE IT

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