

Title (en)  
TREATED CARBON OR CARBON-BASED CATHODIC COMPONENTS OF ALUMINIUM PRODUCTION CELLS

Title (de)  
BEHANDELTEN KOHLENSTOFF ODER KATHODENKOMPONENTEN AUF KOHLENSTOFF-BASIS AUS ALUMINIUMPRODUKTIONSZELLEN

Title (fr)  
COMPOSANTS CATHODIQUES TRAITES, A BASE DE CARBONE OU EN CARBONE POUR DES CELLULES DE PRODUCTION D'ALUMINIUM

Publication  
**EP 0786020 A1 19970730 (EN)**

Application  
**EP 94901664 A 19931123**

Priority  
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• US 9303683 W 19930419

Abstract (en)  
[origin: WO9424337A1] Carbon or carbon-based cathodes and cell bottoms of electrolytic cells for the production of aluminium in particular by the electrolysis of alumina in a molten halide electrolyte such as cryolite, are treated to better resist intercalation of sodium in the cell operating conditions by impregnation and/or coating with colloidal alumina ceria, cerium acetate, silica, alumina, lithia, yttria, thoria, zirconia, magnesia or monoaluminium phosphate followed by drying and heat treatment.

IPC 1-7  
**C25C 3/00**; **C25C 3/08**

IPC 8 full level  
**C04B 41/50** (2006.01); **C04B 41/52** (2006.01); **C25C 3/08** (2006.01)

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