

Title (en)

SURFACE MODIFIED STAINLESS STEEL CATHODE FOR ELECTROLYSER

Title (de)

OBERFLÄCHENMODIFIZIERTE EDELSTAHLKATHODE FÜR EINEN ELEKTROLYSEUR

Title (fr)

CATHODE EN ACIER INOXYDABLE MODIFIÉE EN SURFACE DESTINÉE À UN ÉLECTROLYSEUR

Publication

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Application

EP 13781847 A 20130415

Priority

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- CA 2013050289 W 20130415

Abstract (en)

[origin: WO2013159219A1] Sodium chlorate is produced industrially via electrolysis of brine and is thus an energy intensive process. An improved cathode for this and other industrial processes is a low nickel content stainless steel whose surface has been suitably modified. With an appropriate amount of surface roughening, the cathode provides for improved overvoltages during electrolysis while still maintaining corrosion resistance.

IPC 8 full level

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CPC (source: EP KR US)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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