

Title (en)  
ELECTROLYSIS CELL FOR THE MANUFACTURE OF PEROXO- AND PERHALOGENATE COMPOUNDS

Publication  
**EP 0428171 B1 19930929 (DE)**

Application  
**EP 90121897 A 19901115**

Priority  
DE 3938160 A 19891116

Abstract (en)  
[origin: EP0428171A1] An electrolysis cell of the filter-press type designed for the manufacture of peroxo or perhalogenate compounds and consisting of alternating cathodes and anodes having electrolyte feed pipes is characterised in that the cathodes (1) and anodes (2) consist of block-shaped hollow bodies which have frame-type seals (3) between them and are joined together by means of said seals (3) in a liquid-tight and mutually insulated manner to form a cell ray, the cathode hollow bodies (1) are liquid-permeable and gas-permeable, the anode hollow bodies (2) have openings above and below the platinum coating for supplying and removing the anolyte and the active anode surface consists of a valve-metal substrate and a platinum coating thereon which can be produced by hot isostatic pressing of a platinum foil on a valve-metal substrate. The electrolysis cell has a long service life and makes possible a high current density at a low energy consumption. <IMAGE>

IPC 1-7  
**C25B 1/28**; **C25B 1/30**; **C25B 9/00**

IPC 8 full level  
**C25B 1/30** (2006.01); **C25B 9/19** (2021.01)

CPC (source: EP US)  
**C25B 9/73** (2021.01 - EP US)

Cited by  
US6503386B2; WO2014009536A1; US9540740B2; EP2546389A1; WO2013007816A2; US9556527B2

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DE ES FR GB IT

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