Title (en)

Process for producing alkali metal and ammonium peroxide disulphate

Title (de)

Verfahren zur Herstellung von Alkalimetall- und Ammoniumperoxidsulfat

Title (fr)

Procédé de production de bisulfate peroxyde de métal alcalin et d'ammonium

Publication

EP 1148155 B2 20110914 (DE)

Application

EP 01109242 A 20010414

Priority

DE 10019683 A 20000420

Abstract (en)

[origin: EP1148155A2] Production of ammonium-, Na- or K-peroxodisulfate involves anodic oxidation of an aqueous electrolyte containing the corresponding sulfate and/or hydrogen sulfate in an electrolytic cell with analyte and catholyte chambers with a separator or a gas diffusion cathode. The anode comprises an electrically-conductive carrier with a diamond layer made conductive by doping with a tri- or penta-valent element. The analyte has no added promoter.

IPC 8 full level

C01B 15/08 (2006.01); **C25B 1/28** (2006.01); **C25B 1/30** (2006.01); **C25B 11/04** (2006.01); **C25B 11/06** (2006.01)

CPC (source: EP KR US)

C25B 1/29 (2021.01 - EP US); **C25B 1/34** (2013.01 - KR)

Citation (opposition)

Opponent :

- DD 129219 A1 19780104 - THIELE WOLFGANG, et al
- P.A.MICHAUD,E.MAHÉ ET AL., ELECTROCHEMICAL AND SOLID-STATE LETTERS,3, 2000, pages 77

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EP2546389A1; US9540740B2; WO2014009536A1; WO2013007816A3; WO2013007816A2; US9556527B2

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