

Title (en)

METHOD FOR SIMULTANEOUS ELECTROCHEMICAL PRODUCTION OF SODIUM DITHIONITE AND SODIUM PEROXODISULFATE

Title (de)

VERFAHREN ZUR GLEICHZEITIGEN ELEKTROCHEMISCHEN HERSTELLUNG VON NATRIUMDITHIONIT UND NATRIUMPEROXODISULFAT

Title (fr)

PROCEDE DE PRODUCTION ELECTROCHIMIQUE SIMULTANEE DE DITHIONITE DE SODIUM ET DE PEROXODISULFATE DE SODIUM

Publication

EP 1381715 A1 20040121 (DE)

Application

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Priority

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- US 84502101 A 20010427

Abstract (en)

[origin: DE19954299A1] Simultaneous production of sodium peroxodisulfate (I) and sodium dithionite (II) is carried out in a divided electrolysis cell at current densities of 1.5-6 kA/m² and 20-60 deg C. The process comprises (i) anodic oxidation of sodium sulfate in aqueous solution to (I); and (ii) cathodic production of (II) from sodium ions, which are liberated at the anode and pass through the cation exchange membrane, and added sulfur dioxide at pH 4-6.

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C25B 1/28; **C25B 1/14**

IPC 8 full level

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CPC (source: EP US)

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