

Title (en)

ELECTROCHEMICAL METHOD FOR MANUFACTURING METHYL ETHYL KETONE

Title (de)

ELEKTROCHEMISCHES VERFAHREN ZUR HERSTELLUNG VON METHYLETHYLKETON

Title (fr)

PROCÉDÉ ÉLECTROCHIMIQUE DE FABRICATION DE MÉTHYL ÉTHYL CÉTONE

Publication

**EP 3512982 B1 20200617 (EN)**

Application

**EP 17764416 A 20170913**

Priority

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- EP 2017073021 W 20170913

Abstract (en)

[origin: WO2018050695A1] It is provided a process for the preparation of methyl ethyl ketone by electroreduction of acetoin in aqueous media using a high hydrogen overvoltage cathode made of lead, the process comprising the steps of a) forming a solution by mixing acetoin with an aqueous medium and a supporting electrolyte soluble in such a medium, and b) electrolyzing said solution continuously or discontinuously in an electrochemical reactor by applying a voltage between an anode and the cathode using a direct current power supply at a current density from 500 to 5000 A/m<sup>2</sup>.

IPC 8 full level

**C25B 3/25** (2021.01)

CPC (source: EP US)

**C25B 3/25** (2021.01 - EP US); **C25B 9/70** (2021.01 - EP US); **C25B 11/031** (2021.01 - EP US); **C25B 11/04** (2013.01 - EP US); **C25B 11/051** (2021.01 - US); **C25B 11/057** (2021.01 - US); **C25B 11/075** (2021.01 - US)

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