

Title (en)

METHOD FOR SEPARATING OXYGEN FROM A GAS MIXTURE CONTAINING IT AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR TRENNUNG VON SAUERSTOFF AUS EINEM SOLCHEM ENTHALTENDEN GAMISCHUNGUND VORRICHTUNG ZUR AUSFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE SEPARATION DE L'OXYGENE D'UN MELANGE DE GAZ LE CONTENANT ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication

EP 1027135 A1 20000816 (FR)

Application

EP 98952804 A 19981028

Priority

- FR 9802306 W 19981028
- FR 9713568 A 19971029

Abstract (en)

[origin: US6143162A] Process for separating oxygen from a gas mixture containing it employs a solid-electrolyte electrochemical cell, where the cell includes a homogeneous structure of one or more BIMEVOX derivatives, with dynamic electrodes created "in situ" that are reversible and self-adaptive, and at least two current collectors.

IPC 1-7

B01D 53/32; **C01B 13/02**

IPC 8 full level

A23L 3/3418 (2006.01); **B01D 53/32** (2006.01); **C01B 13/02** (2006.01); **C25B 9/06** (2006.01); **C25B 9/08** (2006.01); **C25B 9/17** (2021.01); **C25B 9/19** (2021.01)

CPC (source: EP US)

A23L 3/3418 (2013.01 - EP US); **B01D 53/326** (2013.01 - EP US); **C01B 13/0233** (2013.01 - EP US); **B01D 2257/104** (2013.01 - EP US); **C01B 2210/0046** (2013.01 - EP US); **C01B 2210/0062** (2013.01 - EP US); **C01B 2210/0071** (2013.01 - EP US); **C01B 2210/0075** (2013.01 - EP US); **C01B 2210/0082** (2013.01 - EP US)

Citation (search report)

See references of WO 9921642A1

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US 6143162 A 20001107; CN 1278191 A 20001227; EP 1027135 A1 20000816; FR 2770149 A1 19990430; FR 2770149 B1 19991217; IL 135815 A0 20010520; JP 2001520929 A 20011106; WO 9921642 A1 19990506; ZA 989843 B 19990429

DOCDB simple family (application)

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