

Title (en)
SOLID STATE OXYGEN COMPRESSOR

Publication
EP 0500708 A4 19930324 (EN)

Application
EP 90917179 A 19901106

Priority
US 43239089 A 19891106

Abstract (en)
[origin: WO9106691A1] A solid-state, electrochemical compressor for compressing oxygen and other diatomic, ionizable gases is disclosed. An oxygen ion transport membrane such as a ceramic metal oxide, for example, zirconia, which conducts oxygen ions when subjected to an electrical potential is a component of such a compressor.

IPC 1-7
C25B 1/00

IPC 8 full level
B01D 53/32 (2006.01); **C01B 13/02** (2006.01)

CPC (source: EP)
B01D 53/326 (2013.01); **C01B 13/02** (2013.01)

Citation (search report)

- [X] US 4671080 A 19870609 - GROSS SIDNEY [US]
- See references of WO 9106691A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
WO 9106691 A1 19910516; AU 6742490 A 19910531; EP 0500708 A1 19920902; EP 0500708 A4 19930324

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US 9006423 W 19901106; AU 6742490 A 19901106; EP 90917179 A 19901106