

Title (en)

METHOD AND APPARATUS FOR PURIFYING AIR

Publication

**EP 0397856 A4 19910515 (EN)**

Application

**EP 90901265 A 19891122**

Priority

- CA 583937 A 19881123
- US 27725488 A 19881129

Abstract (en)

[origin: WO9005577A1] Low molecular weight hydrocarbons are removed from air by preheating the air (30) and then passing the preheated air through a heated catalytic bed (28) comprising a mixture of platinized heat-conductive pellets and metal turnings. The turnings contribute to the structural rigidity and the uniform heating of the bed, as well as reducing the energy consumption required to maintain the bed at the desired temperature.

IPC 1-7

**B01D 47/00**; **B01J 8/00**; **C10H 23/00**

IPC 8 full level

**B01D 53/86** (2006.01)

CPC (source: EP)

**B01D 53/8668** (2013.01)

Citation (search report)

- [Y] GB 2163637 A 19860305 - JOHNSON MATTHEY PLC
- [Y] FR 2479323 A1 19811002 - JOHNSON MATTHEY CO LTD [GB]
- [A] US 3607131 A 19710921 - WILLIAMS FREDERICK W, et al
- See references of WO 9005577A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 9005577 A1 19900531**; EP 0397856 A1 19901122; EP 0397856 A4 19910515

DOCDB simple family (application)

**US 8905209 W 19891122**; EP 90901265 A 19891122