

Title (en)

WASTE GAS FILTERING ABSORBING CARBON DIOXIDE

Title (de)

KOHLENDIOXID ABSORBIERENDE ABGASFILTERUNG

Title (fr)

FILTRAGE DE GAZ D'ECHAPPEMENT PAR ABSORPTION DE DIOXYDE DE CARBONE

Publication

**EP 1556157 A1 20050727 (EN)**

Application

**EP 03817057 A 20030422**

Priority

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- DK PA200200580 A 20020419

Abstract (en)

[origin: WO2004105921A1] Waste gas filtering using porous materials: organic (e.g. cellulose pulp from paper production) or inorganic (e.g. mineral wool waste) with water glass (Na<sub>2</sub>SiO<sub>3</sub>, nH<sub>2</sub>O) impregnation. According to the invention, this process binds pollution in the filter material and absorb carbon oxide in the hardening process. Plates, tube linings, bicurved planes, granulates or the like can be made of the filter material.

IPC 1-7

**B01D 53/62**; **B01D 53/02**

IPC 8 full level

**B01D 53/04** (2006.01); **B01J 20/10** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2004105921A1

Citation (examination)

- DE 2329645 A1 19750109 - COLLO RHEINCOLLODIUM KOELN GMB
- US 2664964 A 19540105 - ARTHUR ASPLUND ARNE JOHAN
- US 3280985 A 19661025 - CZERWONKA LAWRENCE J
- DE 348200 C 19220203 - EMIL DAENHARDT

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