

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

- DK 0300261 W 20030422
- 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 (Na₂SiO₃, nH₂O) 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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