

Title (en)

CARBON-BASED ADSORPTION POWDER CONTAINING CUPRIC CHLORIDE

Title (de)

KUPFERCHLORID ENTHALTENDES, AUF KOHLENSTOFF BASIERENDES ADSORPTIONSPULVER

Title (fr)

POUDRE D'ADSORPTION A BASE DE CARBONE CONTENANT DU CHLORURE CUIVRIQUE

Publication

EP 1406718 A4 20051019 (EN)

Application

EP 02748062 A 20020705

Priority

- US 0221120 W 20020705
- US 90228501 A 20010710
- US 90229301 A 20010710
- US 40836199 A 19990929

Abstract (en)

[origin: WO03006140A1] A carbon-based, adsorption powder containing an effective amount of cupric chloride suitable for removing mercury from a high temperature, high moisture gas stream, wherein the effective amount of cupric chloride ranges from about 1 to about 45 wt percent. Additional additives, such as potassium permanganate, calcium hydroxide, potassium iodide and sulfur, may be added to the powder to enhance the removal of mercury from the gas stream.

IPC 1-7

B01D 53/04; **B01D 53/64**; **B01D 53/70**; **B01J 20/20**

IPC 8 full level

B01D 53/64 (2006.01); **B01D 53/70** (2006.01); **B01D 53/72** (2006.01); **B01J 20/02** (2006.01); **B01J 20/04** (2006.01); **B01J 20/20** (2006.01); **B09C 1/06** (2006.01)

CPC (source: EP)

B01D 53/64 (2013.01); **B01D 53/70** (2013.01); **B01J 20/0222** (2013.01); **B01J 20/0237** (2013.01); **B01J 20/0266** (2013.01); **B01J 20/0288** (2013.01); **B01J 20/04** (2013.01); **B01J 20/041** (2013.01); **B01J 20/046** (2013.01); **B01J 20/20** (2013.01); **B01J 20/3204** (2013.01); **B01J 20/3236** (2013.01); **B01D 2253/102** (2013.01); **B01D 2257/206** (2013.01); **B01D 2257/602** (2013.01); **B01D 2257/70** (2013.01); **B01J 2220/42** (2013.01); **B01J 2220/4825** (2013.01); **B01J 2220/4881** (2013.01)

Citation (search report)

- [XL] WO 0123072 A1 20010405 - MERCK & CO INC [US], et al
- [PXL] WO 0162368 A1 20010830 - MERCK & CO INC [US], et al
- [EL] WO 02078814 A2 20021010 - MERCK & CO INC [US], et al
- [EL] WO 02085498 A1 20021031 - MERCK & CO INC [US], et al
- [X] US 5482915 A 19960109 - GOLDEN TIMOTHY C [US], et al
- [X] US 5344626 A 19940906 - ABLER MARY JO [US]
- See references of WO 03006140A1

Cited by

CN103056157A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03006140 A1 20030123; CA 2451534 A1 20030123; EP 1406718 A1 20040414; EP 1406718 A4 20051019; JP 2004534641 A 20041118

DOCDB simple family (application)

US 0221120 W 20020705; CA 2451534 A 20020705; EP 02748062 A 20020705; JP 2003511940 A 20020705