

Title (en)  
CAPTURE AGENT FOR THE TREATMENT OF FLUE GASES

Title (de)  
ABSCHIEDMITTEL FÜR DIE BEHANDLUNG VON RAUCHGASEN

Title (fr)  
AGENT DE CAPTATION POUR LE TRAITEMENT DES FUMÉES

Publication  
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Application  
**EP 16782247 A 20161018**

Priority  
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• EP 2016074961 W 20161018

Abstract (en)  
[origin: WO2017084822A1] The present invention relates to a capture agent for the treatment of gases, having an active phase that comprises a calcium silicate hydrate of  $(\text{CaO})_x(\text{SiO}_2)_y(\text{H}_2\text{O})_z$  type with a Ca/Si molar ratio between 1.55 and 1.72, preferably between 1.65 and 1.72 and an  $\text{H}_2\text{O}/\text{Ca}$  molar ratio between 1 and 1.4, preferably between 1.1 and 1.3, "z" being between 0.3 and 0.8, the capture agent having a specific surface area greater than  $120 \text{ m}^2/\text{g}$ , preferably greater than  $150 \text{ m}^2/\text{g}$  and particularly preferably greater than  $200 \text{ m}^2/\text{g}$  and a pore volume greater than  $0.4 \text{ cm}^3/\text{g}$ , preferably greater than  $0.6 \text{ cm}^3/\text{g}$  and particularly preferably greater than  $0.8 \text{ cm}^3/\text{g}$ .

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