

Title (en)

ABSORBENT AGENT, METHOD FOR MANUFACTURING AN ABSORBENT AGENT AND USE OF AN ABSORBENT AGENT

Title (de)

ABSORPTIONSMITTEL, VERFAHREN ZUR HERSTELLUNG EINES ABSORPTIONSMITTELS SOWIE VERWENDUNG EINES ABSORPTIONSMITTELS

Title (fr)

ABSORBANT, PROCÉDÉ DE FABRICATION D'UN ABSORBANT ET UTILISATION D'UN MOYEN D'ABSORBANT

Publication

EP 2337623 A1 20110629 (DE)

Application

EP 09782962 A 20090914

Priority

- EP 2009061860 W 20090914
- EP 08017913 A 20081013
- EP 09782962 A 20090914

Abstract (en)

[origin: EP2174700A1] Absorbent, preferably for the selective absorption of carbon dioxide from a flue gas of a combustor, comprises a mixture of amino acid salt and a free amino acid. An independent claim is also included for preparing the absorbent comprising (a) adding an equimolar base to the amino acid to completely convert the amino acid into amino acid salt, and (b) additionally adding amino acid to prepare a mixture of amino acid salt and free amino acid, so that the amino acid salt and the free amino acid are present in a coexistent manner.

IPC 8 full level

B01D 53/14 (2006.01)

CPC (source: EP US)

B01D 53/1475 (2013.01 - EP US); **B01D 53/1493** (2013.01 - EP US); **B01D 2252/20494** (2013.01 - EP US); **B01D 2257/504** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02C 20/40** (2020.08 - EP US)

Citation (search report)

See references of WO 2010043459A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 08017913 A 20081013; CN 200980149738 A 20090914; EP 09782962 A 20090914; EP 2009061860 W 20090914; RU 2011119092 A 20090914; US 200913123757 A 20090914