

Title (en)

A METHOD AND AN ARRANGEMENT FOR EXTRACTING CARBON DIOXIDE FROM AIR

Title (de)

VERFAHREN UND ANORDNUNG ZUR EXTRAKTION VON KOHLENDIOXID AUS LUFT

Title (fr)

PROCÉDÉ ET AGENCEMENT PERMETTANT D'EXTRAIRE DU DIOXYDE DE CARBONE DE L'AIR

Publication

**EP 2069050 A1 20090617 (EN)**

Application

**EP 07808872 A 20070911**

Priority

- SE 2007050635 W 20070911
- SE 0602124 A 20061006

Abstract (en)

[origin: WO2008041920A1] The invention relates to a method and an arrangement for extracting carbon dioxide from air. According to the invention, carbonic anhydrase is placed on a rotor blade 5, for example the rotor blade of a wind power plant 6. Carbon dioxide is absorbed on the 5 rotor blade and transported away from the rotor blade. The carbon dioxide so extracted may optionally be used to manufacture methanol.

IPC 8 full level

**B01D 53/62** (2006.01); **C01B 32/50** (2017.01); **B01D 53/73** (2006.01); **C07C 31/04** (2006.01); **F03D 9/02** (2006.01)

CPC (source: EP SE US)

**B01D 53/62** (2013.01 - EP); **B01D 53/73** (2013.01 - SE); **B01D 53/84** (2013.01 - EP); **C07C 29/1518** (2013.01 - EP); **C07C 31/04** (2013.01 - SE); **F03D 1/065** (2013.01 - EP); **F03D 9/19** (2016.05 - EP SE); **F03D 9/25** (2016.05 - EP US); **B01D 2257/504** (2013.01 - EP); **Y02A 50/20** (2017.12 - EP); **Y02C 20/40** (2020.08 - EP); **Y02E 10/72** (2013.01 - EP); **Y02E 60/36** (2013.01 - EP); **Y02E 70/30** (2013.01 - EP); **Y02P 20/133** (2015.11 - EP); **Y02P 20/151** (2015.11 - EP); **Y02P 20/50** (2015.11 - EP); **Y02P 70/50** (2015.11 - EP); **Y02P 80/10** (2015.11 - EP)

Citation (search report)

See references of WO 2008041920A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008041920 A1 20080410**; AU 2007302852 A1 20080410; BR PI0719952 A2 20140318; CA 2664475 A1 20080410; EP 2069050 A1 20090617; JP 2010505723 A 20100225; RU 2009111107 A 20101120; SE 0602124 L 20080407; SE 530399 C2 20080520; TW 200934575 A 20090816

DOCDB simple family (application)

**SE 2007050635 W 20070911**; AU 2007302852 A 20070911; BR PI0719952 A 20070911; CA 2664475 A 20070911; EP 07808872 A 20070911; JP 2009531349 A 20070911; RU 2009111107 A 20070911; SE 0602124 A 20061006; TW 97104546 A 20080205