Title (en)
A METHOD AND AN ARRANGEMENT FOR MAKING METHANOL

Title (de)
VERFAHREN UND ANORDNUNG ZUR HERSTELLUNG VON METHANOL

Title (fr)
PROCÉDÉ ET AGENCEMENT PERMETTANT DE FABRIQUER DU MÉTHANOL

Publication
EP 2069275 A1 20090617 (EN)

Application
EP 07808874 A 20070911

Priority
• SE 2007050637 W 20070911
• SE 0602125 A 20061006

Abstract (en)
[origin: WO2008041921A1] The invention relates to a method of making methanol. The method comprises the steps of providing a wall (1) formed by a rotor blade (5) of a wind power plant (6), the wall (1) having a surface (2) on which a carbonic anhydrase (3) is immobilized, exposing the surface (29) of the wall (1) to a stream of gas and using the carbonic anhydrase (3) to remove carbon dioxide from the stream of gas. The carbon dioxide so obtained is then used to produce methanol in a fuel cell, in a chemical reaction where electrical energy is used to transform water and carbon dioxide to methanol. The invention also relates to an arrangement for making methanol.

IPC 8 full level
B01D 53/62 (2006.01); **B01D 53/73** (2006.01); **C07C 31/04** (2006.01); **C25B 3/23** (2021.01); **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 70/30 (2013.01 - EP); Y02P 20/151 (2015.11 - EP); Y02P 20/50 (2015.11 - EP); Y02P 70/50 (2015.11 - EP)

Citation (search report)
See references of WO 2008041921A1

Cited by
CN111425351A

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 2008041921 A1 20080410; AU 2007302853 A1 20080410; BR PI0718035 A2 20140624; CA 2664596 A1 20080410; EP 2069275 A1 20090617; JP 2010506043 A 20100225; MX 2009003519 A 20090416; RU 2009111106 A 20101120; SE 0602125 L 20080407; SE 531159 C2 20090107; TW 200934756 A 20090816

DOCDB simple family (application)
SE 2007050637 W 20070911; AU 2007302853 A 20070911; BR PI0718035 A 20070911; CA 2664596 A 20070911; EP 07808874 A 20070911; JP 2009531350 A 20070911; MX 2009003519 A 20070911; RU 2009111106 A 20070911; SE 0602125 A 20061006; TW 97104540 A 20080205