

Title (en)

PROCESS FOR PREPARING METHANOL

Title (de)

VERFAHREN ZUR HERSTELLUNG VON METHANOL

Title (fr)

PROCÉDÉ DE PRODUCTION DE MÉTHANOL

Publication

EP 4225722 A1 20230816 (DE)

Application

EP 21794723 A 20211008

Priority

- AT 508692020 A 20201008
- AT 2021060369 W 20211008

Abstract (en)

[origin: WO2022073055A1] Process for preparing methanol (CH₃OH) from carbon dioxide (CO₂) and hydrogen (H₂), wherein CO₂ is reacted with H₂ over a manganese-promoted molybdenum(IV) sulfide catalyst; and a catalyst for such a process and a preparation process for the catalyst.

IPC 8 full level

C07C 29/153 (2006.01)

CPC (source: AT EP US)

B01J 21/04 (2013.01 - EP US); **B01J 23/04** (2013.01 - AT); **B01J 23/28** (2013.01 - AT); **B01J 23/34** (2013.01 - AT EP);
B01J 27/051 (2013.01 - EP US); **B01J 37/03** (2013.01 - EP); **B01J 37/035** (2013.01 - US); **B01J 37/04** (2013.01 - US);
B01J 37/06 (2013.01 - US); **B01J 37/088** (2013.01 - EP US); **B01J 37/10** (2013.01 - EP US); **C07C 29/153** (2013.01 - AT EP US);
C07C 31/04 (2013.01 - AT); **Y02P 20/52** (2015.11 - EP)

Citation (search report)

See references of WO 2022073055A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022073055 A1 20220414; AT 524247 A1 20220415; CA 3194655 A1 20220414; CN 116323529 A 20230623; EP 4225722 A1 20230816;
US 2023365481 A1 20231116

DOCDB simple family (application)

AT 2021060369 W 20211008; AT 508692020 A 20201008; CA 3194655 A 20211008; CN 202180069448 A 20211008; EP 21794723 A 20211008;
US 202118029583 A 20211008