

Title (en)

METHOD FOR CONTROLLING THE CATALYTIC HYDROGENATION OF 1,4-BUTYNE-1,3-DIOL VIA THE CONTENT OF CO AND/OR CH<sub>4</sub> IN THE EXHAUST GAS STREAM

Title (de)

VERFAHREN ZUR REGELUNG DER KATALYTISCHEN HYDRIERUNG VON 1,4-BUTINDIOL ÜBER DEN GEHALT VON CO UND/ODER CH<sub>4</sub> IM ABGASSTROM

Title (fr)

PROCÉDÉ POUR RÉGULER L'HYDROGÉNATION CATALYTIQUE DE 1,4-BUTYNE-1,3-DIOL PAR L'INTERMÉDIAIRE DE LA TENEUR EN CO ET/OU CH<sub>4</sub> DU FLUX DE GAZ RÉSIDUAIRES

Publication

**EP 3679006 A1 20200715 (DE)**

Application

**EP 18758629 A 20180827**

Priority

- EP 17189578 A 20170906
- EP 2018072999 W 20180827

Abstract (en)

[origin: WO2019048276A1] The present invention relates to a method for producing 1,4-butanediol by catalytic hydrogenation of 1,4-butyne-1,3-diol in a reaction zone with hydrogen in the presence of a heterogeneous hydrogenation catalyst, in which method the content of at least one gas in the exhaust gas stream, selected from CO and CH<sub>4</sub>, is measured and the content of the measured gas in the exhaust gas stream is used for controlling the hydrogenation.

IPC 8 full level

**C07C 29/17** (2006.01)

CPC (source: EP KR US)

**C07C 29/172** (2013.01 - EP KR US); **C07C 31/207** (2013.01 - KR)

Citation (search report)

See references of WO 2019048276A1

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

DOCDB simple family (publication)

**WO 2019048276 A1 20190314**; CN 111094222 A 20200501; EP 3679006 A1 20200715; JP 2020532566 A 20201112; KR 20200044110 A 20200428; TW 201914986 A 20190416; US 2020207690 A1 20200702

DOCDB simple family (application)

**EP 2018072999 W 20180827**; CN 201880057561 A 20180827; EP 18758629 A 20180827; JP 2020513533 A 20180827; KR 20207009356 A 20180827; TW 107130911 A 20180904; US 201816644731 A 20180827