

Title (en)

DEVICE FOR HYPER-CONCENTRATION AND LONG-DISTANCE FIBRE OPTIC TRANSPORT OF SOLAR ENERGY, AND ASSOCIATED METHOD FOR PRODUCING AN H₂/O₂ MIXTURE BY THERMOPHOTOLYSIS

Title (de)

VORRICHTUNG FÜR DIE HYPERKONZENTRATION UND DEN LANGSTRECKEN-GLASFASERTRANSPORT VON SONNENENERGIE UND ZUGEHÖRIGES VERFAHREN ZUR HERSTELLUNG EINES H₂/O₂-GEMISCHES DURCH THERMOPHOTOLYSE

Title (fr)

DISPOSITIF D'HYPER CONCENTRATION ET TRANSPORT D'ENERGIE SOLAIRE DISTANT PAR FIBRE OPTIQUE ASSOCIE A UN PROCEDE DE PRODUCTION D'UN MELANGE H₂/O₂ PAR THERMOPHOTOLYSE

Publication

EP 3983335 A1 20220420 (FR)

Application

EP 20743183 A 20200526

Priority

- FR 1906296 A 20190613
- FR 2020050880 W 20200526

Abstract (en)

[origin: WO2020249883A1] Device for producing a hydrogen/oxygen couple from a solar energy concentrator, comprising a means for collecting the solar energy which is formed by one or more optical fibres, characterised in that the inlet and the outlet of the hollow optical fibre(s) are formed by an unstretched region of the preform, enabling long-distance transport of the solar flux.

IPC 8 full level

C01B 3/04 (2006.01); **C01B 13/02** (2006.01); **F24S 20/20** (2018.01); **F24S 23/00** (2018.01)

CPC (source: CN EP IL KR)

C01B 3/042 (2013.01 - CN); **C01B 3/045** (2013.01 - CN EP IL KR); **C01B 13/0207** (2013.01 - EP IL KR); **F24S 20/20** (2018.04 - CN IL KR); **F24S 23/12** (2018.04 - EP IL KR); **F24S 20/20** (2018.04 - EP); **Y02E 10/40** (2013.01 - EP KR); **Y02E 60/36** (2013.01 - EP KR); **Y02P 20/133** (2015.11 - EP KR)

Citation (search report)

See references of WO 2020249883A1

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 2020249883 A1 20201217; AU 2020290035 A1 20220120; CA 3142845 A1 20201217; CN 114127486 A 20220301; EP 3983335 A1 20220420; FR 3097217 A1 20201218; FR 3097217 B1 20210702; IL 288879 A 20220201; JP 2022536744 A 20220818; KR 20220020935 A 20220221

DOCDB simple family (application)

FR 2020050880 W 20200526; AU 2020290035 A 20200526; CA 3142845 A 20200526; CN 202080050807 A 20200526; EP 20743183 A 20200526; FR 1906296 A 20190613; IL 28887921 A 20211209; JP 2021573751 A 20200526; KR 20227001257 A 20200526