

Title (en)

METHOD AND APPARATUS FOR OXYGEN RECOVERY AND USE IN OXYGEN-AIDED COMBUSTION, AND USE OF THE METHOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUR RÜCKGEWINNUNG VON SAUERSTOFF UND VERWENDUNG IN DER SAUERSTOFFUNTERSTÜTZTEN VERBRENNUNG UND ANWENDUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ ET APPAREIL DE RÉCUPÉRATION D'OXYGÈNE ET D'UTILISATION DANS UNE COMBUSTION ASSISTÉE PAR OXYGÈNE, ET UTILISATION DU PROCÉDÉ

Publication

**EP 3864194 A1 20210818 (EN)**

Application

**EP 19871379 A 20191011**

Priority

- FI 20185852 A 20181012
- FI 2019050727 W 20191011

Abstract (en)

[origin: WO2020074784A1] The invention relates to a method and an apparatus for recovering and using oxygen in combustion utilising oxygen. According to the invention, oxygen (6) is formed in connection with the processing of the recovered carbon dioxide (1), the oxygen is recovered, and the oxygen (6) is conveyed to combustion (8) utilising oxygen. The invention further relates to the use of the method.

IPC 8 full level

**C25B 1/04** (2021.01); **C10G 2/00** (2006.01)

CPC (source: EP FI)

**C01B 32/50** (2017.07 - FI); **C10G 2/50** (2013.01 - EP); **C25B 1/02** (2013.01 - FI); **C25B 1/04** (2013.01 - EP FI); **C25B 15/081** (2021.01 - EP); **F23D 14/32** (2013.01 - FI); **F23R 3/00** (2013.01 - FI); **Y02E 60/36** (2013.01 - EP)

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 2020074784 A1 20200416**; EP 3864194 A1 20210818; EP 3864194 A4 20220824; FI 20185852 A1 20200413

DOCDB simple family (application)

**FI 2019050727 W 20191011**; EP 19871379 A 20191011; FI 20185852 A 20181012