

Title (en)  
CO2 SEPARATION SYSTEMS AND METHODS

Title (de)  
CO2-ABSCHEIDUNGSSYSTEME UND -VERFAHREN

Title (fr)  
SYSTÈMES ET PROCÉDÉS DE SÉPARATION DE CO2

Publication  
**EP 4314535 A1 20240207 (EN)**

Application  
**EP 22782222 A 20220331**

Priority

- US 202163168794 P 20210331
- US 202163168825 P 20210331
- US 2022022853 W 20220331

Abstract (en)  
[origin: WO2022212719A1] Combustion systems are provided that can include a combustion assembly operatively engaged with an air intake, wherein the air intake performs air enrichment. Methods for enriching air to a combustion assembly are also provided. Systems and methods for separating CO2 from flue gas are also provided. Methods for heating or cooling components of a system for separating CO2 from flue gas are also provided.

IPC 8 full level  
**F02M 35/024** (2006.01); **F02M 35/10** (2006.01); **F23D 14/68** (2006.01)

CPC (source: EP)  
**B01D 53/04** (2013.01); **B01D 53/265** (2013.01); **F23J 15/006** (2013.01); **F23L 7/007** (2013.01); **B01D 2257/504** (2013.01); **B01D 2258/0283** (2013.01); **F23J 2900/15061** (2013.01); **F23L 2900/07007** (2013.01); **Y02C 20/40** (2020.08)

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 2022212719 A1 20221006**; CA 3200483 A1 20221006; EP 4314535 A1 20240207; JP 2024514378 A 20240402

DOCDB simple family (application)  
**US 2022022853 W 20220331**; CA 3200483 A 20220331; EP 22782222 A 20220331; JP 2023533328 A 20220331