

Title (en)

METHOD FOR COMBUSTING CARBONACEOUS FUEL IN A FLUIDIZED BED REACTOR AND FLUIDIZED BED APPARATUS

Title (de)

VERFAHREN ZUR VERBRENNUNG VON KOHLENSTOFFHALTIGEM BRENNSTOFF IN EINEM WIRBELBETTREAKTOR UND WIRBELBETTVORRICHTUNG

Title (fr)

PROCÉDÉ DE COMBUSTION DU COMBUSTIBLE CARBONÉ DANS UN RÉACTEUR À LIT FLUIDISÉ ET APPAREIL À LIT FLUIDISÉ

Publication

**EP 4303488 A1 20240110 (EN)**

Application

**EP 22183389 A 20220706**

Priority

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Abstract (en)

The invention relates to a method for combusting carbonaceous fuel in a fluidized bed reactor (1), comprising the following steps:- Providing at least one carbonaceous fuel to a reaction chamber (2) of the fluidized bed reactor (1),- Providing a fluidizing agent at a bottom of the reaction chamber (2), thereby fluidizing the carbonaceous fuel, wherein the fluidizing agent comprises gaseous oxygen, wherein a combustion reaction of the carbonaceous fuel with the gaseous oxygen occurs.

IPC 8 full level

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Citation (applicant)

- EP 0495296 A2 19920722 - FOSTER WHEELER ENERGY CORP [US]
- EP 0280016 A2 19880831 - STEINMUELLER GMBH L & C [DE]

Citation (search report)

- [XAI] US 4648331 A 19870310 - THELEN FRANZ [DE]
- [X] DE 3441141 A1 19860522 - STEINMUELLER GMBH L & C [DE]
- [X] US 4181705 A 19800101 - GUMERMAN RAYMOND J [US]
- [X] EP 0252893 A2 19880113 - ASEA STAL AB [SE]

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