

Title (en)

SOLID FUEL PARTICLES SUPPLY DEVICE FOR A COMBUSTION CHAMBER

Title (de)

FESTBRENNSTOFFPARTIKEL-VERSORGUNGSVORRICHTUNG FÜR EINE BRENNKAMMER

Title (fr)

DISPOSITIF D'ALIMENTATION DES PARTICULES DE COMBUSTIBLE SOLID POUR UNE CHAMBRE DE COMBUSTION

Publication

EP 3070403 A1 20160921 (EN)

Application

EP 16160008 A 20160311

Priority

SE 1550315 A 20150316

Abstract (en)

The present disclosure relates to a supply device assembly for supplying solid particles 2 and a combustion adjusting fluid to a combustion chamber 4 in a heat generating plant, said combustion chamber being delimited by at least one wall 24. The assembly comprises a tubular supply device 1 having a first end 5, a second end 6 and a longitudinal axis 7, and comprising a tube 8 and/or 9, an opening 13 through the tube at the first end 5, and a supply pipe 17 for supplying the combustion adjusting fluid 30 to the fuel 2. The assembly also comprising a control unit configured for controlling the amount of combustion adjusting fluid 30 mixed with the fuel particles 2 based on sensor measurements from within the combustion chamber 4.

IPC 8 full level

F23C 5/06 (2006.01); **F23D 1/00** (2006.01); **F23L 7/00** (2006.01); **F23N 5/00** (2006.01); **F23N 5/02** (2006.01); **F23N 5/16** (2006.01)

CPC (source: EP SE)

F23C 5/06 (2013.01 - EP); **F23D 1/00** (2013.01 - EP SE); **F23K 3/02** (2013.01 - SE); **F23L 7/005** (2013.01 - EP); **F23N 5/003** (2013.01 - EP); **F23N 5/02** (2013.01 - EP); **F23C 2900/07021** (2013.01 - EP SE); **F23D 2201/20** (2013.01 - EP); **F23D 2208/00** (2013.01 - SE); **F23D 2214/00** (2013.01 - EP); **F23G 2209/12** (2013.01 - EP); **F23G 2209/261** (2013.01 - EP); **F23K 2203/008** (2013.01 - SE); **F23N 2005/165** (2013.01 - EP)

Citation (applicant)

- SE 502188 C2 19950911 - ULF HAGSTROEM [SE], et al
- SE 502283 C2 19950925 - ULF HAGSTROEM [SE], et al
- WO 2014058381 A1 20140417 - ECOMB AB PUBL [SE]
- DE 306765 C
- US 5112216 A 19920512 - TENN TREVOR I [CA]

Citation (search report)

- [XYI] EP 1530005 A2 20050511 - BABCOCK HITACHI KK [JP]
- [IJ] EP 2221537 A1 20100825 - BABCOCK HITACHI KK [JP]
- [YDA] WO 2014058381 A1 20140417 - ECOMB AB PUBL [SE]

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)

EP 3070403 A1 20160921; SE 1550315 A1 20160917

DOCDB simple family (application)

EP 16160008 A 20160311; SE 1550315 A 20150316