

Title (en)

Granulated fuel feeding device and boiler comprising said device

Title (de)

Vorrichtung zum Zuführen von gekörntem Brennstoff und Heizkessel mit einer solchen Vorrichtung

Title (fr)

Dispositif d'alimentation en combustible granulaire et chaudière comportant un tel dispositif

Publication

EP 1462721 A2 20040929 (EN)

Application

EP 04101049 A 20040315

Priority

SE 0300806 A 20030325

Abstract (en)

The invention relates to a feeding device (1) for transportation of a solid fuel, such as pellets, wood chips or some other granular material, to an combustion device (2) in which combustion of the transported material takes place. The feeding device (1) comprises a first feed tube (3) that is disposed to be operatively connected to a distribution device (5) for transportation of said solid fuel from a fuel supply (6) to the feeding device (1) and is disposed to be operatively connected to said combustion device (2), via an outlet end of the feed tube (3). The feeding device (1) furthermore comprises a feed spiral (8), arranged to rotate at least partly inside the first feed tube (3) to transport the solid fuel to the combustion device (2), and which is arranged about an ignition device (9) by aid of which the solid fuel can be ignited. The invention also relates to a system for a solid fuel fired boiler comprising said feeding device (1) and a combustion device (2).

IPC 1-7

F23K 3/00; **F23B 1/38**

IPC 8 full level

F23K 3/00 (2006.01)

CPC (source: EP)

F23B 30/04 (2013.01); **F23B 40/04** (2013.01); **F23K 3/00** (2013.01); **F23K 2203/202** (2013.01)

Citation (applicant)

- SE 51133 A
- SE 9601326 A
- SE 9703478 A
- SE 9700793 A

Cited by

EP1731831A1; US7739966B2; DE102010051489B4; CZ305858B6; ITVI20130176A1; EP2824049A1; WO2008141594A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1462721 A2 20040929; **EP 1462721 A3 20090729**; SE 0300806 D0 20030325; SE 0300806 L 20040926; SE 524993 C2 20041109

DOCDB simple family (application)

EP 04101049 A 20040315; SE 0300806 A 20030325