

Title (en)

DEVICE FOR FEEDING REFUSE-DERIVED FUELS (RDF) TO COMBUSTION APPARATUSES

Title (de)

VORRICHTUNG FÜR DIE ZUFUHR VON SEKUNDÄRBRENNSTOFFEN AUS ABFALL FÜR VERBRENNUNGSVORRICHTUNGEN

Title (fr)

DISPOSITIF D'ALIMENTATION DE COMBUSTIBLES DERIVES DE DECHETS DANS DES APPAREILS DE COMBUSTION

Publication

EP 1836440 B1 20180801 (EN)

Application

EP 06700768 A 20060111

Priority

- EP 2006000170 W 20060111
- IT MI20050036 A 20050114

Abstract (en)

[origin: WO2006074907A1] A device for feeding continuously a system for the pneumatic conveyance of refuse-derived fuels (RDF) constituted by a motorized screw feeder, into which the RDF is fed through a supply hopper; by a diverging conical sealing tube, in which the RDF transferred by the screw feeder accumulates; a chamber for mixing RDF and compressed air, in which there is a fan driven by an electric motor. The compressed air fed to the mixing chamber exits, conveying the RDF, from the pneumatic conveyance tube. The device is inclined at least 30° to allow to fill the conical sealing tube and the taper of a few degrees of the conical tube allows to form a plug of material by virtue of the pressure of the pneumatic conveyance air, thus avoiding unwanted seepage into the feeder hopper. The device therefore allows the regular remote conveyance of the RDF by pneumatic methods.

IPC 8 full level

F23G 5/44 (2006.01)

CPC (source: EP)

F23G 5/44 (2013.01); **F23G 2205/121** (2013.01); **F23G 2205/20** (2013.01); **F23G 2900/50212** (2013.01)

Designated contracting state (EPC)

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

Designated extension state (EPC)

HR

DOCDB simple family (publication)

WO 2006074907 A1 20060720; EP 1836440 A1 20070926; EP 1836440 B1 20180801; IT MI20050036 A1 20060715

DOCDB simple family (application)

EP 2006000170 W 20060111; EP 06700768 A 20060111; IT MI20050036 A 20050114