

Title (en)

Solid fuel apparatus for heating, using air, one or more user devices and corresponding heating method

Title (de)

Festbrennstoffvorrichtung zum Erwärmen mit Luft, ein oder mehrere Benutzereinrichtungen und entsprechendes Erwärmungsverfahren

Title (fr)

Appareil de chauffage de combustible solide utilisant de l'air, un ou plusieurs dispositifs d'utilisateur et procédé de chauffage correspondant

Publication

EP 2674680 A2 20131218 (EN)

Application

EP 13172157 A 20130614

Priority

IT UD20120113 A 20120615

Abstract (en)

An apparatus (10) for heating, using air, one or more user devices (11) connected thereto, comprising a closed heat generator (12) fed with solid fuel, in particular a biomass, has inside it a closed combustion chamber (17) and first liquid heat exchange means (14) cooperating with the combustion chamber (17), to carry out the heat exchange between the fumes deriving from the combustion of said biomass and a heat-carrying liquid which flows in said first heat exchange means (14). The apparatus (10) for heating, using air, also comprises second heat exchange means (18), of the air-liquid type, external and distanced from said closed heat generator (12), in which air flows to be heated and distributed to said one or more user devices (11) to be heated. Said second heat exchange means (18) are fluidically connected to said first heat exchange means (14) to heat said air by means of said heated liquid coming from said first heat exchange means (14).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

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Designated contracting state (EPC)

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