

Title (en)
A DEVICE AND A METHOD FOR COMBUSTION

Title (de)
VERBRENNUNGSVORRICHTUNG- UND VERFAHREN

Title (fr)
APPAREIL ET PROCEDE DE COMBUSTION

Publication
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Application
EP 99933370 A 19990623

Priority
• SE 9901130 W 19990623
• SE 9802239 A 19980624

Abstract (en)
[origin: WO0001987A1] A device (1) and a method for combustion of fuel, in particular solid fuels such as pellets of wood. The device (1) comprises a combustion chamber (2) with at least one gas inlet (8) and at least one gas outlet (9), said gas inlet being arranged to conduct oxygenous gas, for example air, substantially tangentially into the combustion chamber for the purpose of achieving a whirling motion in said combustion chamber and said gas outlet being arranged substantially centrally, in relation to a centre axis (10) of the combustion chamber, for letting combustion gas out in one end of the combustion chamber in a direction substantially parallel to said centre axis. Furthermore, the device includes a fuel holder (3) arranged in the combustion chamber for exposing the fuel (11) to gas present in the combustion chamber and promote mixing of the oxygen contained in the gas with the pyrolysis gas originating from the fuel.

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