

Title (en)
Small firing device

Title (de)
Kleinf Feuerungsanlage

Title (fr)
Petite installation de chauffage

Publication
EP 2172704 A1 20100407 (DE)

Application
EP 09011995 A 20090921

Priority
DE 102008050239 A 20081002

Abstract (en)
The device has a combustion chamber (1), and a biomass insertable into the combustion chamber by an air-permeable conveyor (3). The conveyor is guided across a support (4) including a set of air outlet openings, where the conveyor comprises ceramic fibers. The support partly forms a wall of a cavity, and an air supply connection. The cavity is formed in a U-shaped cross section with bent bracket ends. The combustion chamber is surrounded with an isolation (9), which forms an annular gap (10) with the combustion chamber.

Abstract (de)
Eine Kleinf Feuerungsanlage für pflanzliche Biomassen, mit einer Brennkammer (1), in welche die Biomasse (2) einleitbar ist, ist dadurch gekennzeichnet, dass die Biomasse (2) mittels eines luftdurchlässigen Transportbandes (3) in die Brennkammer (1) einleitbar ist.

IPC 8 full level
F23B 30/08 (2006.01); **F23G 7/10** (2006.01)

CPC (source: EP)
F23B 30/08 (2013.01); **F23G 7/105** (2013.01); **F23G 2203/8016** (2013.01)

Citation (applicant)
• GB 835979 A 19600601 - INT COMBUSTION HOLDINGS LTD
• WO 2006117579 A1 20061109 - FOCK JOZSEF [HU], et al
• GB 973244 A 19641021 - IVOR JOHN CONIBEAR

Citation (search report)
• [X] GB 835979 A 19600601 - INT COMBUSTION HOLDINGS LTD
• [X] WO 2006117579 A1 20061109 - FOCK JOZSEF [HU], et al
• [X] GB 973244 A 19641021 - IVOR JOHN CONIBEAR
• [X] US 4475468 A 19841009 - ISHIKAWA TOKIHIKO [JP], et al
• [X] US 2795200 A 19570611 - MACDONALD URQUHART WILLIAM
• [A] GB 932744 A 19630731 - VORKAUF HEINRICH
• [A] US 2004043348 A1 20040304 - BACKOWSKI PAUL [US], et al
• [A] DE 1508573 A1 19691030 - HEIN LEHMANN AG

Cited by
CN103225802A; DE102012020929A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2172704 A1 20100407; EP 2172704 B1 20111221; AT E538346 T1 20120115; DE 102008050239 A1 20100408; ES 2379442 T3 20120426

DOCDB simple family (application)
EP 09011995 A 20090921; AT 09011995 T 20090921; DE 102008050239 A 20081002; ES 09011995 T 20090921