

Title (en)

TRIDIRECTIONAL-DRAUGHT AIR OR WATER BACK BOILER USING A PARABOLIC BACKPLATE

Title (de)

WASSER- ODER LUFT-HEIZKAMIN MIT DREIRICHTUNGSABZUG MITTELS EINES PARABOLISCHEN HERDBODENS

Title (fr)

CHAUDIERE DE CHEMINEE A AIR OU EAU A TIRAGE TRIDIRECTIONNEL UTILISANT UNE PIECE DE FOND DE FOYERS PARABOLIQUE

Publication

**EP 0526485 B1 19961127 (FR)**

Application

**EP 91907597 A 19910319**

Priority

- FR 9003924 A 19900322
- FR 9100219 W 19910319

Abstract (en)

[origin: WO9114902A1] This back boiler consists mainly of a backplate (3) of specific shape, two chambers (1) and (2) through which pass six smoke pipes, four of which are of the semi-reverse draught type (6) (6a) (7) (7a), one is of the reverse draught type (11) and the last (8) is used for chimney sweeping. A fan (13) sends pulsed air through a duct (14) in the two chambers where it is heated due to the very large heat-exchange area. This air is then taken through ducts at (10) to the various rooms in the house. The firebox is closed by a sliding glass door. The shape and positioning of the pipes and the chambers make it possible too cool the smoke considerably, thus increasing efficiency.

IPC 1-7

**F24B 1/188**

IPC 8 full level

**F24B 1/18** (2006.01); **F24B 1/188** (2006.01)

CPC (source: EP)

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