

Title (en)
A SOLID FUEL STOKER.

Title (de)
STOKER FÜR FESTBRENNSTOFF.

Title (fr)
CHARGEUR DE COMBUSTIBLE SOLIDE.

Publication
EP 0575470 B1 19940921

Application
EP 92907578 A 19920316

Priority
• DK 46091 A 19910315
• DK 9200082 W 19920316

Abstract (en)
[origin: WO9216791A1] A solid fuel stoker comprising a tunnel shaped combustion chamber or hearth (4) of which the lower part consists of a water cooled, double walled steel construction with a plane bottom part (14) and upwards/outwards inclined sidewalls (16), and of which an upper curved part (18) consists of ceramic elements, by said stoker fuel is supplied by means of a worm conveyor (8) through a stoker opening and carried forward in the hearth (4) by a reciprocating scraper conveyor (26) arranged along said bottom part (14), said sidewalls between mutual parallel water filled cooling pipes (20) are provided with inlet openings (22) for combustion air, the scraper conveyor (26) is provided with transverse mainly triangular, hollow scraper elements (30) being connected with a central beam (28) which in the longitudinal direction is made from sections in such a way that the cooling water may be supplied to the scraper elements (30) via one pipe section (40) and may be discharged from the scraper elements via another pipe section (38), and that the scraper conveyor (26) moreover comprises inlet openings (48) through which primary combustion air may be admitted along the bottom part (14) of the hearth (4).

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