

Title (en)
FIREPROOF WALL, IN PARTICULAR FOR A COMBUSTION FURNACE

Title (de)
FEUERFESTE WAND, INSBESONDERE FÜR EINEN VERBRENNUNGSOFEN

Title (fr)
PAROI RÉFRRACTAIRE, EN PARTICULIER POUR FOUR DE COMBUSTION

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Abstract (en)
[origin: WO2016109904A1] The invention relates to a fireproof wall, comprising a boiler wall (1) and a protective cladding (2) positioned in front thereof made of a plurality of fireproof plates (21, 22). The fireproof wall has a rear-ventilated wall section, in the region of which an intermediate space (3) is present between the boiler wall (1) and the protective cladding (2). Gas supply means for supplying a protective gas to the intermediate space (3) comprise a gas distribution channel (K) and at least one gas supply line (52) for supplying protective gas to the gas distribution channel. The gas distribution channel (K) is arranged at the lower end of the rear-ventilated wall section, and below the gas distribution channel (K), there is no rear-ventilated wall section. The gas distribution channel (K) is arranged on the same side as the protective cladding (2) with respect to the boiler wall (1), and extends transversely across the protective cladding (2). The gas distribution channel (K) is communicatively connected to the intermediate space (3), continuously over the length of the gas distribution channel, or at several discrete points communicatively with the intermediate space (3), between the part of the protective cladding (2) located above the same and the boiler wall (1).

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