

Title (en)
Combustion chamber wall.

Title (de)
Brennkammerwand.

Title (fr)
Paroi de chambre de combustion.

Publication
EP 0012787 A1 19800709 (DE)

Application
EP 79100393 A 19790212

Priority
CH 1293078 A 19781220

Abstract (en)
[origin: US4347810A] The combustion chamber wall consists of tubes which are inclined to the horizontal and which are welded to one another in a gas-tight relationship via webs. Pairs of vertical tension strips bear against the outside of the combustion chamber wall. Each pair is connected to the wall tubes via a plurality of sheet-metal strips distributed over the height of the combustion chamber wall. The sheet-metal strips are disposed perpendicularly to the combustion chamber wall plane and are cut out in the form of a comb at the edge connected to the wall tubes.

Abstract (de)
Die Brennkammerwand besteht aus zur Horizontalen geneigten Rohren (1), die untereinander über Flossen (2) gasdicht verschweißt sind. Außen an der Brennkammerwand liegen Paare von vertikalen Zugbändern (10) an. Jedes Paar ist über mehrere, über die Höhe der Brennkammerwand verteilte Blechstreifen (11) mit den Wandrohren (1) verbunden. Die Blechstreifen (11) sind rechtwinklig zur Brennkammerwandebene angeordnet und an ihren mit den Wandrohren (1) verbundenen Rand kammartig ausgeschnitten.

IPC 1-7
F22B 37/20; **F22B 37/68**

IPC 8 full level
F22B 37/20 (2006.01); **F22B 37/64** (2006.01); **F23M 5/00** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP US)
F22B 37/645 (2013.01 - EP US)

Citation (search report)

- FR 2101556 A5 19720331 - KRAFTWERK UNION AG
- CH 470629 A 19690331 - SULZER AG [CH]
- US 3295504 A 19670103 - OTTO ENGLER
- FR 2149892 A5 19730330 - BABCOCK ATLANTIQUE SA
- DE 1551052 A1 19720105 - SIEMENS AG
- DE 2621189 A1 19771117 - BALCKE DUERR AG

Cited by
EP0187542A3; EP0621447A1; EP0080173A3; US4579089A

Designated contracting state (EPC)
DE

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EP 0012787 A1 19800709; **EP 0012787 B1 19830216**; **EP 0012787 B2 19881026**; CH 634905 A5 19830228; DE 2964769 D1 19830324; JP S5585803 A 19800628; JP S5997303 U 19840702; JP S6014094 Y2 19850507; US 4347810 A 19820907

DOCDB simple family (application)
EP 79100393 A 19790212; CH 1293078 A 19781220; DE 2964769 T 19790212; JP 14373683 U 19830919; JP 16020779 A 19791210; US 30066281 A 19810909