

Title (en)

Steam condenser with cross-flow heat exchanger

Title (de)

Dampfkondensator mit Kreuzstromwärmetauscher

Title (fr)

Condenseur de vapeur avec échangeur thermique à courants croisés

Publication

**EP 2924383 A1 20150930 (EN)**

Application

**EP 14461517 A 20140326**

Priority

EP 14461517 A 20140326

Abstract (en)

Steam condenser with cross-flow heat exchanger, according to invention is characterized in that on the side of hood 1, sucking the air or the steam from opened furnace doors, at least one assembly socket (2), at least one front cross-flow Exchange is located, adhering to equipped with fan mixing chamber (4), which is connected with inner chamber (5) and located in common housing condensation chambers (6) with tube exchangers (61), at the same time each of cross-flow exchangers (3) consists of stock-pile of rectangular sheets (31), connected in corners by rods (32), and between sheets 31 alternatively horizontal distance strips (33) and vertical strips (34) are located, creating the space for cross flow of air and steam.

IPC 8 full level

**F28B 1/06** (2006.01); **F24C 15/20** (2006.01); **F28D 7/16** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)

**F24C 15/20** (2013.01); **F24C 15/2042** (2013.01); **F28B 1/06** (2013.01); **F28D 7/163** (2013.01); **F28D 9/0062** (2013.01)

Citation (applicant)

- EP 2384626 A1 20111109 - RETECH SPOLKA Z O O [PL]
- DE 29708079 U1 19970710 - DAUB HELMUT [DE]
- EP 1530901 A1 20050518 - ELOMA GMBHBEDARFSARTIKEL ZUR G [DE]

Citation (search report)

- [AD] EP 2384626 A1 20111109 - RETECH SPOLKA Z O O [PL]
- [A] DE 202011050141 U1 20110624 - RATIONAL AG [DE]
- [A] EP 1106948 A2 20010613 - WIESHEU GMBH [DE]
- [A] WO 2007042307 A1 20070419 - MAIER MAX [DE]
- [A] US 4175614 A 19791127 - HUGGINS HOMER D [US]
- [A] US 3176763 A 19650406 - FRANKLIN FROHLICH

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