

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

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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

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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]
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Citation (search report)

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- [A] US 3176763 A 19650406 - FRANKLIN FROHLICH

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