

Title (en)
Steam condenser

Title (de)
Dampfkondensator

Title (fr)
Condenseur de vapeur

Publication
EP 0841527 A3 19981202 (DE)

Application
EP 97810703 A 19970924

Priority
DE 19642100 A 19961012

Abstract (en)
[origin: US5941301A] In a steam condenser which is set up in an on-floor arrangement and in which the steam is condensed on tubes through which cooling water flows and which are combined in separate banks, the tubes of a bank arranged in rows enclosing a hollow space, a cooler for the non-condensable gases is arranged in the hollow space. The sectional banks are horizontally directed in their longitudinal extent and are arranged vertically one above the other. The cooler for the non-condensable gases has its suction action directed toward a zone below the longitudinal center line of the individual bank. The hollow space is connected to a compensating lane in the interior of the bank, the longitudinal center line of which compensating lane, on account of the asymmetrical condensate loading in the horizontally oriented sectional bank and the asymmetrical localization of the pressure minimum in the tube assembly, runs below the longitudinal center line of the sectional banks.

IPC 1-7
F28B 1/02

IPC 8 full level
F28B 1/02 (2006.01); **F28B 9/10** (2006.01)

CPC (source: EP US)
F28B 1/02 (2013.01 - EP US); **F28B 9/10** (2013.01 - EP US)

Citation (search report)

- [DY] EP 0384200 A1 19900829 - ASEA BROWN BOVERI [CH]
- [A] EP 0325758 A1 19890802 - ASEA BROWN BOVERI [CH]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 007, no. 050 (M - 197) 26 February 1983 (1983-02-26)
- [A] G. BAUMANN, DR. G. OPLATKA: "Ein neues Kondensatorkonzept", BROWN BOVERY MITTEILUNGEN, vol. 54, no. 10/11, October 1967 (1967-10-01) - November 1967 (1967-11-01), pages 675 - 681, XP002080158

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DOCDB simple family (publication)
US 5941301 A 19990824; AU 3992197 A 19980423; AU 722526 B2 20000803; DE 19642100 A1 19980416; DE 19642100 B4 20110929; EP 0841527 A2 19980513; EP 0841527 A3 19981202; HU 221112 B1 20020828; HU 9701632 D0 19971229; HU P9701632 A2 19980728; HU P9701632 A3 19990928; JP 3974237 B2 20070912; JP H10170168 A 19980626

DOCDB simple family (application)
US 90973697 A 19970812; AU 3992197 A 19971003; DE 19642100 A 19961012; EP 97810703 A 19970924; HU P9701632 A 19971010; JP 27905297 A 19971013