

Title (en)
HEAT EXCHANGER, ESPECIALLY A CONDENSER

Title (de)
WÄRMEÜBERTRAGER, INSBESONDERE KONDENSATOR

Title (fr)
DISPOSITIF DE TRANSFERT DE CHALEUR, NOTAMMENT CONDENSATEUR

Publication
EP 1774237 A1 20070418 (DE)

Application
EP 05770489 A 20050704

Priority
• EP 2005007182 W 20050704
• DE 102004036020 A 20040723

Abstract (en)
[origin: WO2006010435A1] The invention relates to a heat exchanger, especially a condenser (1), for a first vaporous and/or gaseous fluid. Said heat exchanger comprises an inlet-side collecting tank, an outlet-side collecting tank (2, 3), and pipes which connect the two collecting tanks and comprise pipe ends. The first fluid can flow through said pipes and a second gaseous fluid, especially air, can circulate around the same. According to the invention, the pipes are embodied as flat pipes (10) and are produced from a corrosion-resistant material with a high heat conductivity, especially special steel, the collecting tanks (2, 3) are produced from a corrosion-resistant material, especially plastic, and comprise a cover and a pipe bottom, and the pipe ends (11, 12) are held in the pipe bottom (7, 9) in a fixed and tight manner.

IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/02** (2006.01); **F28F 9/16** (2006.01); **F28F 21/06** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP)
F28D 1/0316 (2013.01); **F28F 1/025** (2013.01); **F28F 9/0226** (2013.01); **F28F 9/0278** (2013.01); **F28F 9/162** (2013.01); **F28F 21/067** (2013.01); **F28F 21/082** (2013.01); **H01M 8/04074** (2013.01); **H01M 8/04164** (2013.01); **F28D 2021/0043** (2013.01); **F28F 2275/025** (2013.01); **H01M 2008/1095** (2013.01); **Y02E 60/50** (2013.01)

Citation (search report)
See references of WO 2006010435A1

Cited by
CN110770527A; EP3644005A4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102004036020 A1 20060216; EP 1774237 A1 20070418; WO 2006010435 A1 20060202

DOCDB simple family (application)
DE 102004036020 A 20040723; EP 05770489 A 20050704; EP 2005007182 W 20050704