

Title (en)
Condenser

Title (de)
Kondensator

Title (fr)
Condenseur

Publication
EP 1167910 B1 20060201 (EN)

Application
EP 01115028 A 20010620

Priority
JP 2000183966 A 20000620

Abstract (en)
[origin: EP1167910A2] A condenser includes a pair of headers (11) and a plurality of heat exchanging tubes (12) disposed between the headers (11) with their opposite ends connected to the headers (11). The plurality of heat exchanging tubes (12) are grouped into three paths P1-P3 by partitions (16). A refrigerant introduced from a refrigerant inlet 11a provided at the lower portion of one of headers passes upwardly through the paths P1-P3 in sequence, and flows out of a refrigerant outlet 11b provided at an upper portion of one of headers. The cross-sectional area of each path decreases stepwise towards a downstream side path, and the reduction rate of the cross-sectional area of the downstream side path of the adjacent two paths to the cross-sectional area of the upstream side path thereof is set to 20%. Thereby, the cooling performance can be achieved.
<IMAGE>

IPC 8 full level
F28D 1/053 (2006.01); **F25B 39/04** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)
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Cited by
CN105143806A; CN102162693A; FR2915793A1; DE102004001786A1; FR2928448A1; DE102008038498A1; CN102221272A; CN102221271A; FR2986316A1; US2017343289A1; US10520256B2; EP1557630A1; US9834061B2; WO2014140133A1; WO2013113686A1

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