

Title (en)
HEAT EXCHANGER COMPRISING A BATTERY OF TUBES

Publication
EP 0062577 B1 19850828 (FR)

Application
EP 82400573 A 19820330

Priority
FR 8106721 A 19810403

Abstract (en)
[origin: EP0062577A1] 1. A heat exchanger for exchanging heat between a fluid and at least air of the atmosphere, of the type comprising : a) a battery of tubes (1) of great length disposed in accordance with an assembly of super-imposed layers of tubes, each layer being formed by an assembly of parallel tubes, said fluid circulating inside the tubes and the air of the atmosphere circulating outside the tubes in a direction perpendicular to said layers of tubes ; b) connecting boxes (18a, 18b) connected to the ends of some of these tubes and adapted to supply said fluid to these tubes or to discharge it, and c) means for interconnecting the other ends of the tubes so as to permit the passage of said fluid in succession inside at least two tubes, characterised in that it comprises a series of juxtaposed sub-batteries whose connecting boxes (18a, 18b) are connected solely to the ends of a row of tubes extending in the direction perpendicular to said layers or to the ends of a limited number of such successive rows of tubes and whose means for interconnecting the other ends of the tubes are formed by substantially horizontal connecting elements which interconnect two neighbouring tubes of the same layer.

IPC 1-7
F28B 1/06; **F28D 7/06**

IPC 8 full level
F28B 1/06 (2006.01); **F28D 7/06** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)
F28B 1/06 (2013.01); **F28F 9/26** (2013.01)

Cited by
DE3628183A1; EP0166989A1; FR2565338A1; WO2006065093A1

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