

Title (en)
Air cooler

Title (de)
Luftkühler

Title (fr)
Refroidisseur d'air

Publication
EP 0623788 B1 19980916 (DE)

Application
EP 94107231 A 19940509

Priority
DE 9306969 U 19930507

Abstract (en)
[origin: EP0623788A1] Illustrated and described is an air cooler for generating a cooling air stream, consisting of a housing 12 which has an air inlet and an air outlet and in which a cooling pipe arrangement 18 carrying a coolant is provided, at least one blower 40 which is driven by an electric motor 38 and is disposed, in the flow direction of the air, downstream of the cooling pipe arrangement 18, as well as an air-guiding grid arrangement 50 provided at the air outlet. The air cooler makes possible the generation of a far-reaching cooling air stream of selectable cross-section form and - in respect of flow rate and outlet direction - homogeneous flow profile in that the blower 40 is disposed in an opening 32 of an intermediate wall 30 which subdivides the housing 12 into an inflow-side heat exchanger chamber containing the cooling pipe arrangement 18 and into an outflow-side pressure chamber 46 with at least one air-guiding grid arrangement 50 disposed at a distance from the blower 40. <IMAGE>

IPC 1-7
F24F 1/00

IPC 8 full level
F24F 1/00 (2006.01); **F24F 1/0007** (2019.01); **F24F 1/0047** (2019.01); **F24F 1/0063** (2019.01)

CPC (source: EP US)
F24F 1/0007 (2013.01 - EP US); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 2221/14** (2013.01 - EP)

Cited by
US6963758B2

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
DE 9306969 U1 19930715; DE 59406907 D1 19981022; EP 0623788 A1 19941109; EP 0623788 B1 19980916; ES 2122081 T3 19981216

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