

Title (en)
Cooler, more particularly for automotive vehicle

Title (de)
Kühler, insbesondere für Kraftfahrzeuge

Title (fr)
Refroidisseur, en particulier pour véhicule automobile

Publication
EP 1195572 B1 20031119 (DE)

Application
EP 01123619 A 20011002

Priority
DE 10049987 A 20001006

Abstract (en)
[origin: EP1195572A2] The radiator, in particular, for motor vehicles comprises a pipe (1) which carries a medium to be cooled by an air stream, and is provided with a plurality of compressed annular waves (2) extending radially outwards from the pipe wall.

IPC 1-7
F28F 1/08; **F28D 1/04**

IPC 8 full level
F28D 1/04 (2006.01); **F28F 1/08** (2006.01); **F28F 1/26** (2006.01)

CPC (source: EP)
F28F 1/08 (2013.01); **F28F 1/26** (2013.01); **F28D 1/04** (2013.01)

Cited by
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1195572 A2 20020410; **EP 1195572 A3 20021016**; **EP 1195572 B1 20031119**; AT E254748 T1 20031215; DE 10049987 A1 20020411; DE 50100991 D1 20031224; ES 2178981 T1 20030116

DOCDB simple family (application)
EP 01123619 A 20011002; AT 01123619 T 20011002; DE 10049987 A 20001006; DE 50100991 T 20011002; ES 01123619 T 20011002