

Title (en)
Aluminium heat exchanger

Title (de)
Aluminium-Wärmeübertrager

Title (fr)
Echangeur de chaleur en aluminium

Publication
EP 1231450 B1 20090128 (DE)

Application
EP 01128289 A 20011129

Priority
DE 10106510 A 20010213

Abstract (en)
[origin: EP1231450A2] Flat oil cooler for a car has oil connections consisting of a threaded steel tube (8) with aluminum mounting rings (9) welded to them.

IPC 8 full level
F28F 21/08 (2006.01); **F28D 1/03** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP)
F28D 1/0333 (2013.01); **F28F 9/0246** (2013.01); **F28F 9/0256** (2013.01); **F28F 21/084** (2013.01); **F28D 2021/0089** (2013.01)

Cited by
CN102161151A; CN103047532A; WO2010105689A3

Designated contracting state (EPC)
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 1231450 A2 20020814; **EP 1231450 A3 20040811**; **EP 1231450 B1 20090128**; AT E422040 T1 20090215; DE 10106510 A1 20020829; DE 10106510 B4 20091210; DE 50114684 D1 20090319

DOCDB simple family (application)
EP 01128289 A 20011129; AT 01128289 T 20011129; DE 10106510 A 20010213; DE 50114684 T 20011129