

Title (en)
IMPROVED CONVECTION RADIATOR

Title (de)
VERBESSERTE KONVEKTIONSSTRAHLER

Title (fr)
RADIATEUR A CONVECTION PERFECTIONNE

Publication
EP 1030152 B1 20041201 (EN)

Application
EP 98959912 A 19981211

Priority
• ES 9800339 W 19981211
• ES 9802241 U 19980901

Abstract (en)
[origin: EP1030152A1] Improved convection radiator consisting of a convection radiator (1) provided with a serpentine (5) with connections (6) and (6') to the general circuit, having metal parts (2) and (2') which can be optionally substituted by monoblock metal elements provided with tubular (3) and semi-tubular (3') conduits; the external zones (2) and (2') are separated from each other at their upper faces by longitudinal openings having a width which is similar to the width of the serpentine (5) to which the external parts (2) and (2') are secured. <IMAGE>

IPC 1-7
F28D 1/047; **F28F 1/12**

IPC 8 full level
F28D 1/047 (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP)
F28D 1/0477 (2013.01); **F28F 1/12** (2013.01)

Cited by
WO2008034923A1

Designated contracting state (EPC)
AT BE CH CY DE DK FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1030152 A1 20000823; **EP 1030152 B1 20041201**; AT E284013 T1 20041215; DE 69827970 D1 20050105; ES 1041067 U 19990616; ES 1041067 Y 19991101; WO 0012947 A1 20000309

DOCDB simple family (application)
EP 98959912 A 19981211; AT 98959912 T 19981211; DE 69827970 T 19981211; ES 9800339 W 19981211; ES 9802241 U 19980901