

Title (en)
Manifold profile

Title (de)
Sammelkastenprofil

Title (fr)
Profil de bac collecteur

Publication
EP 2584302 A3 20160120 (DE)

Application
EP 12185723 A 20120924

Priority
DE 202011051713 U 20111021

Abstract (en)
[origin: EP2584302A2] The box profile (1) has two side walls (6, 7) connected with a top wall (5) such that a collection chamber (9) is enclosed by the side and top walls, where the box profile is formed as a single-piece extruded section. The side walls and/or the top wall are formed with receiving openings (3) for receiving a connecting piece. Mounting holes (4) i.e. blind holes, are formed on the side walls and/or the top wall for positively or frictionally fastening an attaching element i.e. screw, of the connecting piece at the side walls or the top wall.

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP US)
F28F 9/0248 (2013.01 - EP US); **F28F 2255/16** (2013.01 - EP US)

Citation (search report)

- [X] US 5236042 A 19930817 - KADO HIROTAKA [JP]
- [X] DE 10057190 A1 20020523 - MODINE MFG CO [US]
- [X] EP 1413845 A1 20040428 - DENSO THERMAL SYSTEMS SPA [IT]
- [A] US 2009173483 A1 20090709 - BEAMER HENRY E [US], et al
- [A] US 6990941 B1 20060131 - BENDER LEE FREDERICK [US]
- [A] JP 2003075092 A 20030312 - TOYO RADIATOR CO LTD
- [A] WO 2011048050 A1 20110428 - VALEO SYSTEMES THERMIQUES [FR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202011051713 U1 20130123; EP 2584302 A2 20130424; EP 2584302 A3 20160120; EP 2584302 B1 20190123;
US 2013098589 A1 20130425

DOCDB simple family (application)
DE 202011051713 U 20111021; EP 12185723 A 20120924; US 201213655007 A 20121018