

Title (en)

Fan shroud for an automobile radiator.

Title (de)

Kühlerzarge für einen Kraftfahrzeugmotorkühler.

Title (fr)

Carénage de ventilateur pour un radiateur d'automobile.

Publication

EP 0108479 A1 19840516 (EN)

Application

EP 83305323 A 19830912

Priority

GB 8231374 A 19821103

Abstract (en)

A cowl 7 is attached to an automobile radiator by means of channel members 8,9 which fit over side pieces 5, 6 of the radiator. The cowl and channel members each have push-engage parts, lugs 10, 11 on one part and slots 12, 13 on the other part so that the cowl assembly can be push-engaged. A second set of slots 14, 15 is provided for fitment to a radiator of different size. The invention is particularly applicable for fitting to a range of radiator sizes, since it is merely necessary to provide channel members 8, 9 having lugs 10, 11 at different distances from the bottom of the channel members.

IPC 1-7

F01P 5/06; **F16B 9/02**

IPC 8 full level

F01P 11/10 (2006.01); **F16B 9/02** (2006.01); **F28F 9/00** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)

F01P 11/10 (2013.01); **F28F 9/002** (2013.01); **F01P 2070/50** (2013.01); **F28F 2275/085** (2013.01)

Citation (search report)

- [X] US RE15178 E 19210816
- [A] GB 472150 A 19370917 - UNITED CARR FASTENER CORP
- [A] FR 2329851 A1 19770527 - INT HARVESTER CO [US]
- [A] GB 1508916 A 19780426 - BROWN LTD F

Cited by

EP1983289A1; CN1330863C; CN104747266A; DE19526286A1; FR2748559A1; CN110821636A; FR2576969A1; US2015267600A1; US9267419B2; EP1096154A1; EP0811821A1; FR2749649A1; US5791402A; US9616741B2; US10688845B2; WO2015007913A1; WO9612094A1; WO9014243A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0108479 A1 19840516; **EP 0108479 B1 19860910**; DE 3366099 D1 19861016; ES 288246 U 19860516; ES 288246 Y 19870116; GB 2130304 A 19840531; GB 2130304 B 19860625; JP H0444086 B2 19920720; JP S5999024 A 19840607

DOCDB simple family (application)

EP 83305323 A 19830912; DE 3366099 T 19830912; ES 288246 U 19831005; GB 8231374 A 19821103; JP 20010183 A 19831027