

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

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