

Title (en)

Heat exchanger with connected water boxes for cars.

Title (de)

Wärmetauscher mit verbundenen Wasserkästen für Fahrzeuge.

Title (fr)

Echangeur de chaleur à boîtes à eau reliées pour véhicules automobiles.

Publication

**EP 0504034 B1 19950104 (FR)**

Application

**EP 92400612 A 19920310**

Priority

FR 9102981 A 19910312

Abstract (en)

[origin: EP0504034A1] The heat exchanger comprises a bundle (10) of tubes (12) which is installed between two water boxes (16 and 18), each of which is delimited by a wall (22; 30) made of moulded plastic having two opposite lateral faces (54; 56) on which the lateral sides (40) of two uprights (36) connecting the two water boxes and surrounding the bundle are fixed. In order to fix a lateral side (40) of an upright (35) to a lateral wall (54; 56) of a water box (16; 18), at least one tap screw (46) is used each time, which screw passes through an opening (58; 60) made in the said side (40) and is inserted in a bore (62) made in the wall of the water box. <IMAGE>

IPC 1-7

**F28F 9/00**

IPC 8 full level

**F28F 9/00** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

**EP 0504034 A1 19920916; EP 0504034 B1 19950104**; DE 69201073 D1 19950216; DE 69201073 T2 19950511; FR 2674014 A1 19920918; FR 2674014 B1 19930528; US 5228511 A 19930720

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