

Title (en)

AIR DUCT IN THE FRONT PART OF A MOTOR VEHICLE

Title (de)

LUFTFÜHRUNG IM VORBAU EINES KRAFTFAHRZEUGS

Title (fr)

SYSTEME DE CONDUITE D'AIR A L'AVANT D'UN VEHICULE AUTOMOBILE

Publication

**EP 1552123 A1 20050713 (DE)**

Application

**EP 03750573 A 20030918**

Priority

- DE 10248440 A 20021017
- EP 0310389 W 20030918

Abstract (en)

[origin: WO2004036008A1] The invention relates to an air duct in the front part of a motor vehicle, comprising recesses in a forewall which defines the front part of the motor vehicle, whereby cooling air flows through said recesses into the engine area. Air guiding channels (6, 10, 11, 18) supply the cooling air to the engine area in a direction which is substantially counter to the direction of travel and are formed by defining walls (7,19) extending in an approximately parallel manner in relation to the direction of the air flow. The aim of the invention is to provide an air duct in the front part of a motor vehicle which is easy to mount and which exhibits very little flow loss. According to the invention, the defining walls (7,19) are integrated into a structural part (1) which extends inside the engine area in an approximately perpendicular manner with respect to the direction of the air flow.

IPC 1-7

**F01P 11/10; B60K 11/08**

IPC 8 full level

**B60K 11/08** (2006.01); **B62D 25/08** (2006.01); **F01P 11/10** (2006.01); **F28D 1/04** (2006.01)

CPC (source: EP US)

**B60K 11/08** (2013.01 - EP US); **B62D 25/084** (2013.01 - EP US); **F01P 11/10** (2013.01 - EP US); **F28D 1/0435** (2013.01 - EP US)

Citation (search report)

See references of WO 2004036008A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004036008 A1 20040429**; DE 10248440 A1 20040513; DE 10248440 B4 20080918; EP 1552123 A1 20050713; US 2006102109 A1 20060518

DOCDB simple family (application)

**EP 0310389 W 20030918**; DE 10248440 A 20021017; EP 03750573 A 20030918; US 53076603 A 20030918