

Title (en)  
Exhaust manifold for engine

Title (de)  
Abgaskrümmer für einen Motor

Title (fr)  
Collecteur d'échappement pour moteur

Publication  
**EP 1249587 B1 20060308 (FR)**

Application  
**EP 02290847 A 20020405**

Priority  
FR 0104756 A 20010409

Abstract (en)  
[origin: FR2823255A1] The exhaust manifold comprises a flange (3) for fixing onto the cylinder head. The flange comprises a localized zone (38) which has a noticeable weakening relative to other parts of the flange so as to break during the first moments of engine operation. This weakening is obtained by making a V-shaped notch (37).

IPC 8 full level  
**F01N 13/10** (2010.01)

CPC (source: EP)  
**F01N 13/10** (2013.01); **F01N 13/102** (2013.01)

Designated contracting state (EPC)  
DE ES GB IT

DOCDB simple family (publication)  
**EP 1249587 A1 20021016; EP 1249587 B1 20060308**; DE 60209667 D1 20060504; DE 60209667 T2 20061214; ES 2254620 T3 20060616; FR 2823255 A1 20021011; FR 2823255 B1 20030704

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