

Title (en)  
METAL SIDE-PLATE FOR A RADIATOR

Title (de)  
SEITENBLECH FÜR KÜHLER

Title (fr)  
TOLE LATÉRALE DE RADIATEUR

Publication  
**EP 1716378 B1 20080220 (DE)**

Application  
**EP 05707143 A 20050202**

Priority  
• EP 2005001025 W 20050202  
• DE 102004005177 A 20040202

Abstract (en)  
[origin: DE102005004907A1] The radiator side plate (12), especially a tubular radiator in the cooling system for a vehicle internal combustion motor, is around the heat exchange surfaces (11). The side plate is structured to prevent thermal stresses through different thermal expansions between the side plate and the radiator (10) with weakened zones (13) for compensation on thermal expansion. The weakened zones are openings through the side plate material, or a grid of bars forming honeycomb openings.

IPC 8 full level  
**F28F 9/00** (2006.01)

CPC (source: EP US)  
**F28F 9/001** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US)

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DOCDB simple family (publication)  
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