

Title (en)  
EGR COOLER

Title (de)  
KÜHLER FÜR ABGASRÜCKFÜHRUNG

Title (fr)  
REFROIDISSEUR EGR

Publication  
**EP 1154143 A4 20080326 (EN)**

Application  
**EP 00900810 A 20000119**

Priority  
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Abstract (en)  
[origin: EP1154143A1] The invention relates to an EGR cooler in which cooling water is supplied into and discharged from a shell, exhaust gas being passed through tubes from one of hoods to the other hood for thermal exchange of the exhaust gas with the cooling water. Employed is a structure in which the cooling water is prevented from leaking to flow channels of the exhaust gas, so that engine trouble can be prevented from occurring <IMAGE>

IPC 1-7  
**F02M 25/07**; **F28D 7/16**

IPC 8 full level  
**F02M 25/07** (2006.01); **F28F 9/02** (2006.01); **F28F 9/18** (2006.01)

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**F02M 26/11** (2016.02 - EP KR); **F02M 26/32** (2016.02 - EP KR); **F28D 21/0003** (2013.01 - KR); **F28F 9/0229** (2013.01 - EP KR); **F28F 9/182** (2013.01 - EP KR); **F28D 21/0003** (2013.01 - EP)

Citation (search report)  
• [Y] JP H09310996 A 19971202 - USUI INTERNATIONAL INDUSTRY  
• [Y] JP S5188445 A 19760803  
• [Y] JP H09133492 A 19970520 - EBARA CORP  
• [X] JP H06207795 A 19940726 - NIPPON STEEL CORP  
• [X] GB 2319333 A 19980520 - USUI KOKUSAI SANGYO KK [JP]  
• [X] JP H0379066 A 19910404 - NEC CORP  
• [A] JP H1113551 A 19990119 - ISUZU MOTORS LTD  
• See references of WO 0043662A1

Cited by  
EP2031338A3; CN105283730A; DE102006031606A1; EP1906130A3; EP1553371A1; AU2007207217B2; CN103104378A; EP4206599A1; WO2004001203A3; WO2014167041A1; WO2007082515A1; US7048042B2; US10175006B2; US10094626B2; US10197337B2; US10982908B2; US8881796B2; US9897396B2; US9534850B2; US10914527B2; US7278473B2; US10378829B2; US11092387B2; US10627169B2; US11885574B2; WO2005038376A1; WO2008125485A1

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