

Title (en)

Exhaust gas cooler with an integrated particulate filter for an internal combustion engine

Title (de)

Abgaskühler mit integrierten Partikelfilter für einen Verbrennungsmotor

Title (fr)

Refroidisseur de gaz d'échappement avec un filtre intégré pour un moteur à combustion

Publication

EP 2194351 B1 20120502 (DE)

Application

EP 08291142 A 20081203

Priority

EP 08291142 A 20081203

Abstract (en)

[origin: EP2194351A1] The exhaust gas cooler has a predetermined number of flow channels which are arranged for conducting exhaust gas. The flow channels are arranged in a housing to facilitate thermal exchange with a fluid for cooling the exhaust gas. A filter section (3) is structurally integrated in the exhaust gas cooler for filtering out particles from the flow of exhaust gas. The filter section is mounted within the housing. The housing is arranged to conduct fluid to facilitate the thermal exchange.

IPC 8 full level

F28D 9/00 (2006.01); **F02M 25/07** (2006.01)

CPC (source: EP US)

F02M 26/30 (2016.02 - EP US); **F02M 26/32** (2016.02 - EP US); **F02M 26/35** (2016.02 - EP US); **F28D 7/1684** (2013.01 - EP US); **F28F 9/005** (2013.01 - EP US); **F28D 21/0003** (2013.01 - EP US)

Cited by

DE102013208436A1; DE102015108223A1; DE102015108223B4; EP2667007A1; EP2781730A1; CN105190009A; EP2463490A1; CN103261599A; ES2618883A1; WO2013124431A1; US10480460B2; WO2017108615A1; WO2012126654A1; WO2014147064A1; WO2014198846A1; WO2015049603A2; US9341146B2; WO2016189028A1; US9759118B2; EP2801709A1; US10415513B2; US10502166B2; WO2012076307A1; WO2017045977A1; DE102015108224A1; DE102014118813A1; WO2016097197A1; US10458368B2; EP2273095B1; EP2817503B1

Designated contracting state (EPC)

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