

Title (en)
A turbocharged diesel engine assembly

Title (de)
Turboaufgeladene Dieselmotormaschine

Title (fr)
Moteur diesel turbosuralimenté

Publication
EP 0732490 A2 19960918 (EN)

Application
EP 96301360 A 19960228

Priority
US 40405995 A 19950314

Abstract (en)
A gas flow network (10) in combination with a highly turbocharged diesel engine (11) for the blending of EGR gas with fresh charge air. In the diesel engine assembly which incorporates the flow network (18a) for EGR gas, a venturi conduit (19) and control valve (19a) combination is positioned between the intake manifold (17) and aftercooler (14) and is connected to a flow line (18a) carrying the EGR gas. This system utilises a low static pressure at the narrow throat of the venturi (19) so as to induce the flow of EGR gas into the fresh charge air, the flow being controlled by the state of the control valve (19a). <IMAGE>

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Cited by
AT2539U1; EP0857870A3; US5974802A; EP1020632A1; FR2788565A1; US11215132B1; US11174809B1; US11821389B2; DE102009020618A1; WO9832964A1; US10316803B2; US10634099B2; US11293382B2; US10995705B2

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