

Title (en)
Turbocharged diesel engines.

Title (de)
Turbo-aufgeladene Dieselmotoren.

Title (fr)
Moteurs diesel turbochargés.

Publication
EP 0653559 A1 19950517 (EN)

Application
EP 94308269 A 19941109

Priority
US 15245393 A 19931112

Abstract (en)
A gas flow network in combination with a highly turbocharged diesel engine (11) for the blending of either EGR gas or blow-by gas from the crankcase vent with fresh charge air. In the diesel engine assembly which incorporates the flow network (10) for EGR gas, a venturi (19) is positioned between the intake manifold (17) and aftercooler (14) is connected to a flow line (16) carrying the EGR gas. In a related arrangement a control valve may be utilized to govern the availability of EGR. When the turbocharged diesel engine (11) assembly is configured with a flow path for blow-by gas, the venturi (19) is positioned between the intake manifold (17) and aftercooler (14) and is connected to a flow line (16) carrying blow-by gas. These systems utilise a low static pressure at the narrow throat of the venturi (19) so as to induce the flow of EGR gas or blow-by gas into the fresh charge air. <IMAGE>

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