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(54) **METHOD OF ASSESSING THE FUNCTIONING OF AN EGR COOLER IN AN INTERNAL COMBUSTION ENGINE**

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CPC ***F02D 41/0065*** (2013.01); ***F02D 35/028*** (2013.01); ***F02D 41/345*** (2013.01); *F01P 2060/10* (2013.01); *F02D 2041/0067* (2013.01)

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See application file for complete search history.

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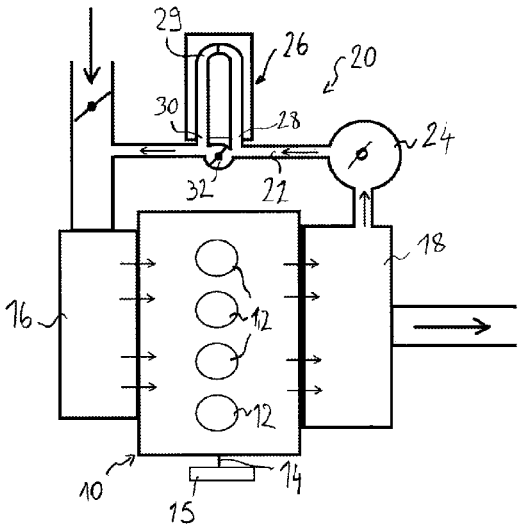
(57) **ABSTRACT**

A method of assessing the functioning of an EGR cooler of an EGR system in an internal combustion engine, wherein the EGR cooler can be selectively operated in a first and a second operating condition; and wherein the engine comprises at least one cylinder equipped with a pressure sensor. The assessment of the functioning of the EGR cooler is based on the variation of a combustion characteristic value depending on cylinder pressure (CA50), upon switching of the EGR cooler from a first to a second operating condition.

20 Claims, 2 Drawing Sheets