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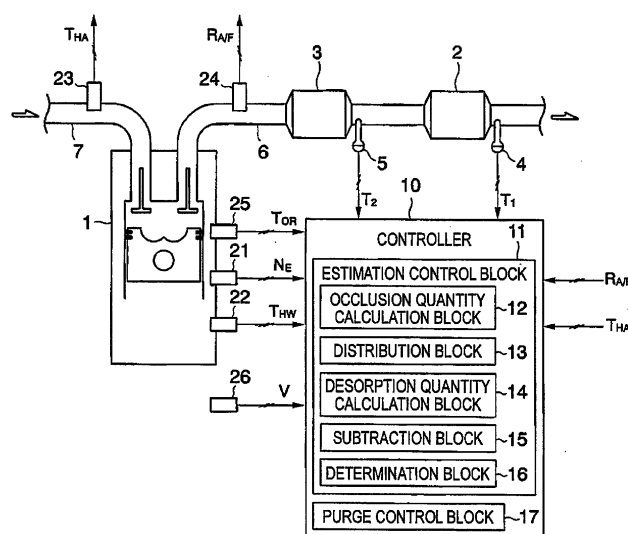
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(54) **Exhaust emission control device for internal combustion engine**

(57) An occluding member is provided in an exhaust system of an internal combustion system, to thus trap and desorb a plurality of types of hydrocarbons having different boiling points. First calculation means estimates a distribution of presence of the hydrocarbons to be trapped by the occluding member for each type and cal-

culates an occlusion quantity of the occluding member 2 from the quantity of trapped hydrocarbons for each type. Further, there is performed control for purifying the hydrocarbons occluded in the occluding member according to the occlusion quantity calculated by the first calculation means.

**FIG. 1**





## EUROPEAN SEARCH REPORT

 Application Number  
 EP 11 15 0699

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			F01N F02D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 July 2014	Examiner Le Bihan, Thomas
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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