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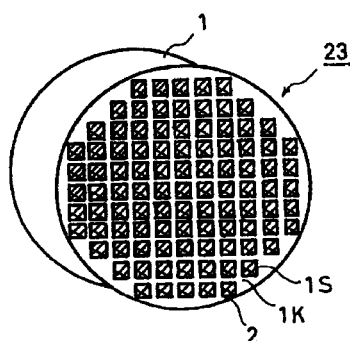
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(54) **Absorbing layer for a high-frequency heating catalyst**

(57) The high-frequency heating catalyst of the present invention comprises a high-frequency absorbing layer formed on the surface of a substrate made from a material which rarely absorbs a high-frequency wave and made from a high-frequency absorbing material and a catalyst such as Pd, Pd/Rh or Pt/Rh, carried by the high-frequency absorbing layer, for making clean harmful substances contained in exhaust gas. Since the high-frequency absorbing layer is made from a mixture of an electroconductive metal oxide and an insulating material having an impedance adjusted to the characteristic impedance of a medium through which a high-frequency wave is transmitted such that reflection power ratio becomes 10 dB or more, the high-frequency wave can be absorbed and converted into heat energy effectively.

FIG. 1(a)



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 10 6509

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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Place of search <b>THE HAGUE</b>		Date of completion of the search <b>10 March 2000</b>	Examiner <b>Wattiaux, V</b>
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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