

Title (en)
CATALYTIC CONVERTER AND RESONATOR COMBINATION

Title (de)
KOMBINIERTER KATALYSATOR UND RESONANZRAUM

Title (fr)
COMBINAISON DE CONVERTISSEUR CATALYTIQUE ET DE RESONATEUR

Publication
EP 1108121 A4 20040421 (EN)

Application
EP 99941093 A 19990813

Priority
• US 9918343 W 19990813
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Abstract (en)
[origin: WO0011328A1] A catalytic converter and resonator combination (10) is contained within a common canister (12). The catalytic converter component (24) is positioned upstream of the resonator component (34) (relative to engine exhaust flow) for receiving additional heat from the engine exhaust entering the device. Preferably, the substrate element (28) of the catalytic converter component (24) is formed of a strong and heat resistant ceramic material, such as Dow-Corning XT (tm) or other suitable ceramic material. The use of such strong and heat resistant material allows the substrate walls to be relatively thin, thus providing a high surface area to substrate volume ratio. The passages between the substrate walls are also relatively large, thus reducing internal resistance for increased flow therethrough.

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F01N 3/10

IPC 8 full level
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• [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10 31 August 1998 (1998-08-31)
• See references of WO 0011328A1

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