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(54) Title: COMBUSTION GENERATOR ENHANCEMENT DEVICE

(57) Abstract: The present invention provides a combustion generator device (10) releasably engageable with a portable generator, including a housing (12) defining an intake conduit (14), an interior chamber, and an outlet conduit (20) having defining a fluid flow path. The intake conduit (14) defines a first longitudinal axis, the interior chamber defines a second longitudinal axis, and the outlet conduit (20) defines a third longitudinal axis, such that the first and second longitudinal axes are substantially perpendicular, the second and third longitudinal axes are substantially perpendicular, and an angle between the first longitudinal axis of the intake conduit and the third longitudinal axis of the outlet conduit is between approximately 1 I O and 120 degrees. A catalytic conversion assembly (24) may be positioned within at least a portion of the interior chamber, and a muffler assembly (34) may be positioned within at least a portion of the outlet conduit.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: B01D 50/00(2006.01);F01N 1/08(2006.01)

USPC: 422/180;181/264

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 422/180;181/264

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,935,461 A (MAROCCO) 18 March 2004 (18.03.2004), Entire Document	1-20

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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