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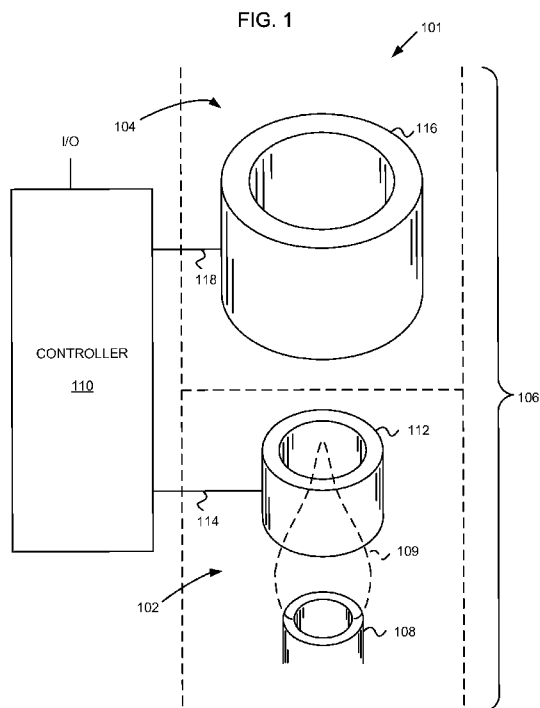
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[Continued on next page]

(54) Title: ELECTRIC FIELD CONTROL OF TWO OR MORE RESPONSES IN A COMBUSTION SYSTEM



(57) Abstract: A combustion system may include a plurality of heated volume portions. At least two of the plurality of heated volume portions may include corresponding respective electrodes. The electrodes may be driven to produce respective electric fields in their respective volumes. The electric fields may be configured to drive desired respective responses.





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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8) -B03C 3/01, 02; F02K 9/96; F23C 5/00, 6/00 (2012.01) USPC - 95/2, 6; 96/15, 16, 18, 22, 26; 431/2, 8, 12, 66 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) Orbit, Google Patents, ProQuest		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,887,069 B1 (THORNTON et al) 03 May 2005 (03.05.2005) entire document	1, 2, 5, 19, 20
—		3, 4, 6-18, 21-57
Y	US 5,288,303 A (WORACEK et al) 22 February 1994 (22.02.1994) entire document	4, 6-9, 12, 15-17, 21-23, 26-57
Y	US 7,137,808 B2 (BRANSTON et al) 21 November 2006 (21.11.2006) entire document	3, 10, 21-23, 28-31, 35-37
Y	US 7,770,380 B2 (DULLIGAN et al) 10 August 2010 (10.08.2010) entire document	10
Y	US 5,654,868 A (BUER) 05 August 1997 (05.08.1997) entire document	11-14, 18, 25
Y	US 7,128,818 B2 (KHESIN et al) 31 October 2006 (31.10.2006) entire document	23, 24, 54-56
Y	US 3,957,418 A (SATA) 18 May 1976 (18.05.1976) entire document	50
Y	US 4,842,190 A (ORCHARD) 27 June 1989 (27.06.1989) entire document	57
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774