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DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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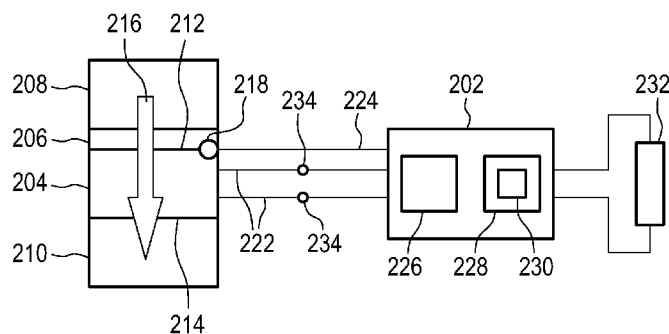


FIG. 2

(57) **Abstract:** A thermoelectric generator system comprises a control unit (202) and a thermoelectric element (204) with a heat receiving surface (212) and a cooled surface (214). Heat (216) flows from a heater (208) through the thermoelectric generator (204). Depending upon the electrical power which is delivered to a load (232), the control unit (202) regulates the current generated by the thermoelectric generator (204). The electrical current through the thermoelectric element (204) is used to limit the operating temperature of the heat receiving surface (212).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.
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)
H01L F24B H02M

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 practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 2009/025703 A1 (VAN DER SLUIS PAUL [NL] ET AL) 29 January 2009 (2009-01-29) cited in the application paragraph [0037] - paragraph [0055]; figures 4a-4d, 5	1-10
A	US 2009/250091 A1 (HUANG JAMES PING [US] ET AL) 8 October 2009 (2009-10-08) paragraph [0030] - paragraph [0041]; figures 1,2	1-10
A	EP 1 564 822 A2 (TOYOTA MOTOR CO LTD [JP]) 17 August 2005 (2005-08-17) paragraph [0016] paragraph [0028] - paragraph [0050]; figures 1-5	1-10
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See patent family annex.

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Date of the actual completion of the international search 25 November 2011	Date of mailing of the international search report 05/12/2011
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Kirkwood, Jonathan
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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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