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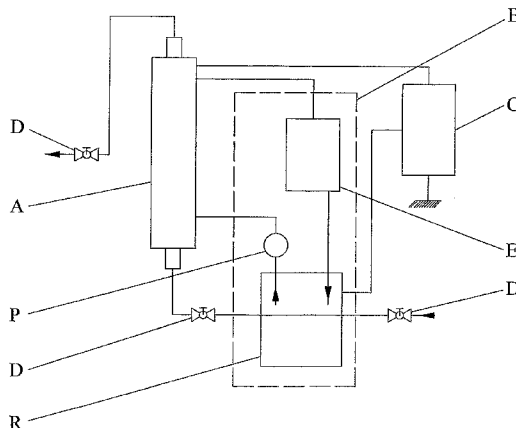
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(54) Title: PROCESS AND INSTALLATION FOR INCREASING THE BURNING ENERGY PRODUCED BY A NATURAL FUEL GAS



(57) Abstract: The invention refers to a process and an installation for increasing the burning energy of a natural fuel gas upon burning the same for domestic or industrial purposes. The process claimed by the invention for increasing the burning energy produced by the natural fuel gas is characterized in that it comprises the steps of supplying the natural gas into a treatment chamber confined by a cylindrical-shaped wall made up of a diamagnetic material, in front of which some electromagnetic units are placed in a spiral shape, of said electromagnetic units the terminal ones are diametrically opposed relatively to the longitudinal vertical axis of the chamber, to create a rotating magnetic field which acts on the gas with only one polarity, in the conditions in which a rotating thermal field created by the cores of the electromagnetic units maintained at a temperature between 31° C ... 65° C acts simultaneously on the gas, thereby an energy transfer being ensured from the zero fluctuations of the vacuum towards the natural gas mass passing in an upward flow through the said chamber, before entering the chamber, the gas being pre-heated and having a temperature ranging between 18° C ... 30° C, and in the end, the gas thus treated is directed towards a burner.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. F23K5/00 F02M27/04

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)  
F23K F02M

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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A	US 4 238 183 A (ROBINSON T GARRETT [US]) 9 December 1980 (1980-12-09) column 2, line 35 - column 3, line 14; figure 2 -----	1-8
A	US 4 755 288 A (MITCHELL JOHN [US] ET AL) 5 July 1988 (1988-07-05) column 6, line 29 - column 7, line 55; figures 1-4 -----	1-8
A	GB 2 323 215 A (PARAGON ENERGY CONSERVATION SY [GB]; MCFADZEAN RICHARD AIRD [GB] PARAG) 16 September 1998 (1998-09-16) abstract; figures 1,2 -----	1-8
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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

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