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(72) Inventor: **Kiran, Omer**
Kavaklidere Ankara (TR)

(74) Representative: **Sevinç, Cenk**
Grup Ofis Patents & Trademarks
Agency Ltd.
Ataturk Bulvari 211/11 Kavaklidere
06680 Ankara (TR)

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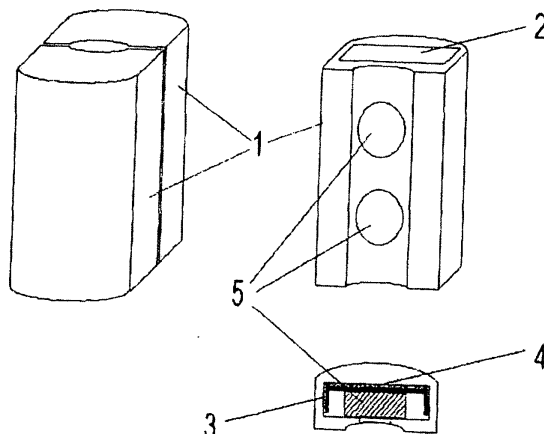
(71) Applicant: **Asmer Enerji Akaryakit Muhendislik**
Taahhut
Ith. Ihr. San. ve Tic. Ltd. Sti.
Kavaklidere Ankara (TR)

(54) **Fuel regulating and saving device**

(57) Our invention is related with a device for fuel regulating and saving. The magnetic fuel regulation device, which is our invention, is characterized in having heat resistant plastic body (1), heat resistant plastic lid (2), galvanized sheet iron and assembly duct (3), sheet copper (4) and neodymium plate (5). Our invention is

suitable for any kind of device using liquid and gas fuel. This invention is related with a magnetic fuel regulating and saving device providing more power and performance owing to better combustion in ovens, boilers, melting pot, land vehicles and vessels, generators and industrial facilities.

FIGURE 1



Description

[0001] Our invention is related with a magnetic fuel regulating and saving device which provides more power and performance with the same amount of fuel in ovens, boilers, melting pot, land vehicles and vessels, generators and industrial facilities using liquid and gas fuel, owing to better combustion.

[0002] The resources of fuel used in internal combustion engines are going down at the present time and therefore it is a necessity to use these fuels economically and efficiently to the utmost. That is why fuel saving methods and devices are being developed by using many methods and processes. Within these fuel saving devices, magnetic systems have a fundamental role. Compared to the other systems, magnetic systems are more advantageous due to being continuous and being installed only once.

[0003] The magnetic performance increasing methods used today are increasing the performance firstly by developing a magnetic field, then developing resonance between the large hydrocarbon molecules present in the fossil fuels, then weakening inner molecular and inter molecular bonds with the help of this resonance, and increasing the bonding of oxygen molecules to these weakened bonds when the fuel reaches the combustion chamber. In addition to these, it helps the environmental protection by decreasing the unburned fuel amount being exhausted. In the present system, the performance increases parallel to the increase in magnetic power being used. Therefore, as the magnetic field is increased, the inter molecular resonance will increase and the combustion performance of the fuel will also increase in parallel.

[0004] One of the inventions known in this technical field is a Utility model belonging to our company, registered to Turkish Patent Institute with the number TR 2004 01870 U and title "fuel saving device". Our fuel saving device is a developed version of the fuel saving device we cited above.

Description of the Figures:

[0005]

Figure-1 : The perspective and crosscut view of industrial type fuel saving device.

Figure2 : The perspective and crosscut view of vehicle type fuel saving device.

Description of the Parts:

[0006]

- 1-Heat resistant plastic body.
- 2-Heat resistant plastic lid.
- 3-Galvanized Sheet Iron Plate and assembly duct
- 4-Copper Plate

5- (Heat resistant) Neodymium Plate

[0007] The magnetic material used in our invention, namely the galvanized sheet iron plate (3) positioned behind the neodymium plate (5), serves as the assembly duct in which the neodymium plate is inserted and increases the magnetic power in front of the neodymium plate (5) by being positioned behind the neodymium plate (5). Thus, by increasing the resonance between the molecules, a better combustion and more performance and energy is gained as a result. In addition to these, as a result of the increase in the combustion efficiency, less environmental pollution is created. Behind the galvanized sheet iron plate (3) and neodymium plate (5), also a copper plate (4) is positioned to prevent magnetic reflection. At the same time, this turns back the magnetic flux going to the dead zone in an amount of 60 % and thus increases the power of the product and decreases the magnetic reflection going to the dead zone. In addition, by increasing the area of neodymium plate (5) and galvanized sheet iron (3) in the industrial model, more power is obtained compared to the counterparts.

[0008] Depending on the type of the application, by increasing the area of neodymium plate (5) and galvanized sheet iron (3), different models may be used in processes requiring different magnetic powers.

In DHP-3 model which is designed to be used in high capacity industrial equipments, two neodymium plates (5) having the dimensions 28*10 are used.

In DHP-2 model which is designed to be used in lower capacity industrial equipments, two neodymium plates (5) having the dimensions 25*10 are used.

The model which is manufactured in small dimensions and having one neodymium plate (5) with a dimension of 28*10 is used in vehicles having a cylinder volume between 2200 cc and 5800 cc.

The neodymium plate (5) with a dimension of 25*10 is used in vehicles having a cylinder volume between 1400 cc and 2200 cc.

The neodymium plate (5) with a dimension of 25*10*6 is used in vehicles having a cylinder volume between 125 cc and 1400 cc.

[0009] Our invention is also used with the purpose of water conditioning and anti-liming purpose in washing machines, dish washers, industrial type washing machines and dish washers, antigorite entrances, pressurized washing machines, ice machines and coffee machines.

Claims

1. Our invention is a magnetic fuel saving device **characterized in** having a heat resistant plastic body (1), a heat resistant plastic lid (2), a sheet copper (4) to turn back the magnetic flux going to the dead zone, a neodymium plate (5) to create magnetic field and a galvanized sheet iron plate (3) to increase the mag-

netic power.

2. Our invention is a magnetic fuel saving device **characterized in** being also used as water conditioner and lime preventer.

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FIGURE 1

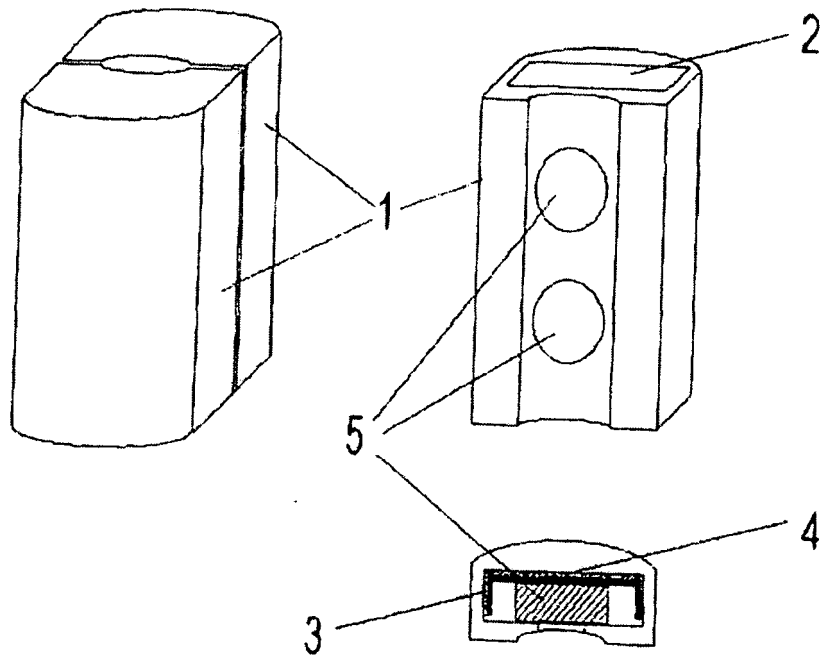
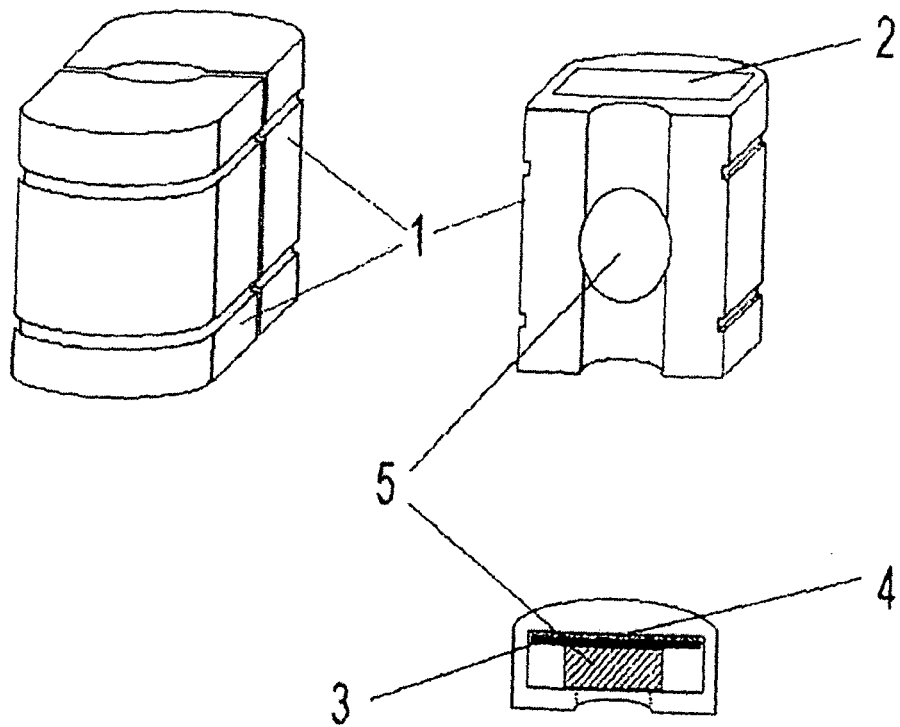


FIGURE 2



REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- TR 200401870 U [0004]