

GRANTED PATENT (2019)

Patent No. 319188

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Grant Title	: A PISTON FOR CREATING TURBULENCE IN A COMBUSTION CHAMBER		

SI No	Name of Grantee	Grantee Address
1	PRINCIPAL	SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, MARALUR, TUMKUR-572105.

SI No	Name of Patentee	Address of Patentee
1	PRINCIPAL	SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, MARALUR, TUMKUR-572105.

A PISTON FOR CREATING TURBULENCE IN A COMBUSTION CHAMBER

ABSTRACT

A piston for creating turbulence in the combustion chamber comprising, a plurality of blades (5) attached to a top plate (4) exposed on head side of the piston, a bottom plate having a pin slot (7) and a crown portion (1), a connecting rod (9) having a pivot pin inserted into the pin slot, characterised in that a rod (3) attaching the top plate (4) and the bottom plate (6) through a hole (2) drilled via the crown portion of the piston to equally rotate the top plate (4) when the bottom plate is rotated reciprocating motion of the piston to a rotary motion as an oscillation movement of the pivot pin (8) causes a circular movement of the bottom plate (6) thereby causing the plurality of blades (5) attached to the top plate (4) to rotate when the piston moves up and down in the combustion chamber.

<Fig. 2>

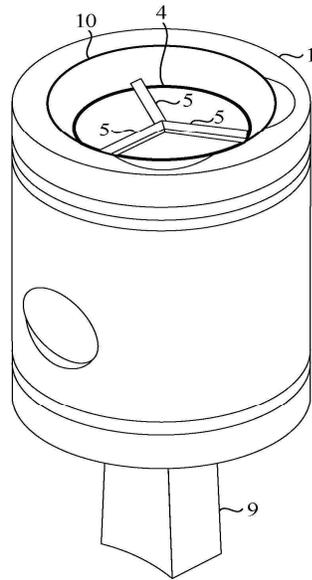


Fig. 1

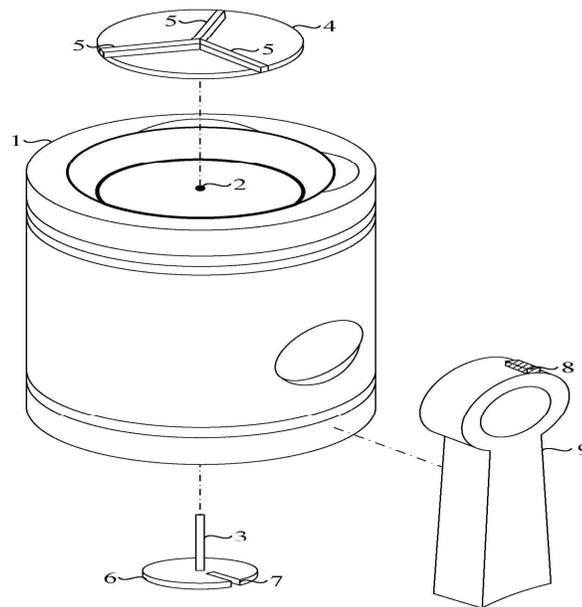


Fig. 2

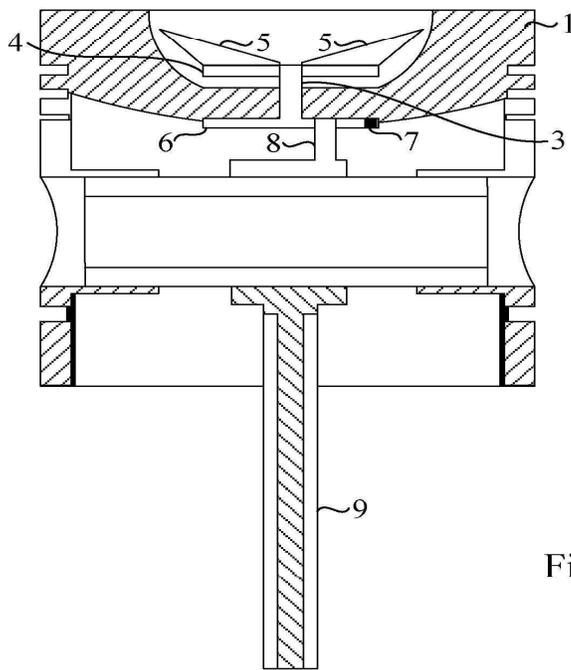


Fig. 3

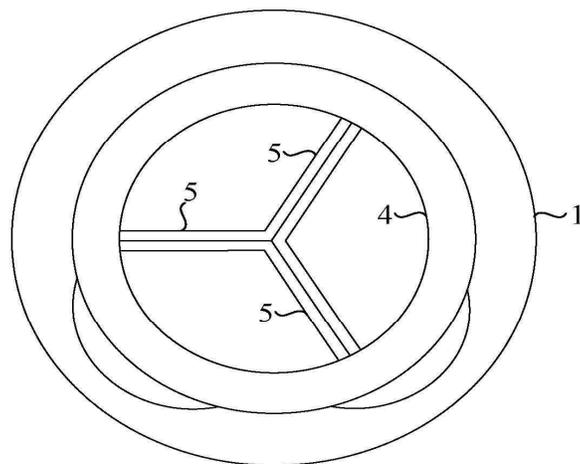


Fig. 4



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THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044113047
SL No :



पेटेंट सं. / Patent No. : 319188
आवेदन सं. / Application No. : 751/CHE/2010
फाइल करने की तारीख / Date of Filing : 22/03/2010
पेटेंटी / Patentee : PRINCIPAL

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A PISTON FOR CREATING TURBULENCE IN A COMBUSTION CHAMBER नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 22nd day of March 2010 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A PISTON FOR CREATING TURBULENCE IN A COMBUSTION CHAMBER as disclosed in the above mentioned application for the term of 20 years from the 22nd day of March 2010 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 27/08/2019
Date of Grant :

OKSupta
पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 22nd day of March 2012 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 22nd day of March 2012 and on the same day in every year thereafter.