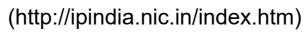
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Abstract:

The proposed invention presents an Automatic Decompression Valve Fastened System for internal combustion engines, revolutionizing engine startup procedures. Integrating advanced mechanical and electronic components, the system automates decompression valve operation to enhance startup efficiency, reliability, and performance. Real-time engine parameter monitoring enables dynamic adjustment of valve timing and lift, optimizing compression levels for smoother cranking and improved ignition success rates. The system's versatility facilitates seamless integration across various engine configurations and applications, promising benefits for automotive, industrial, and power generation sectors. Through rigorous experimentation and validation, the invention represents a significant leap forward in engine automation technology, promising to reshape the future of internal combustion engines with enhanced efficiency and operational flexibility. Accompanied Drawing [FIGS. 1-2]

## **Complete Specification**

Description:[001] The proposed system pertains to the field of automotive engineering and internal combustion engines. Specifically, it introduces a novel Automatic Decompression Valve Fastened System designed to enhance the functionality and efficiency of IC engine units. By automating the decompression valve fastening process, this innovation aims to streamline engine startup procedures, reduce wear and tear on engine components, and improve overall engine performance. [002] This system integrates advanced mechanical and electronic components to accurately control the decompression valve, optimizing engine compression levels for smooth ignition and operation. The invention holds significant potential to revolutionize the design and operation of IC engines, leading to more reliable and fuel-efficient automotive systems. Additionally, it opens avenues for further research and development in the realm of engine automation and optimization, contributing to advancements in automotive technology.

## BACKGROUND OF THE INVENTION

[003] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[004] Further, the approaches described in this section are approaches that could be pursued, but not necessarily approaches that have been previously conceived or pursued. Therefore, unless otherwise indicated, it should not be assumed that any of the approaches described in this section qualify as prior art.

[005] The evolution of internal combustion engines (IC engines) has been pivotal in shaping modern transportation and industrial machinery. Since its inception in the late 19th century, the IC engine has undergone numerous advancements, driven by the constant pursuit of efficiency, reliability, and performance. Central to the functionality of these engines is the process of compression, wherein air-fuel mixture is compressed within the combustion chamber prior to ignition, generating the power necessary

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