

(54) Title of the invention : A NOVEL AUTOMATIC DECOMPRESSION VALVE FASTENED SYSTEM FOR AN IC ENGINE UNIT

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(57) 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]

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