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<p>(51) International classification :H01M0010120000, F01L0013080000, F02N0019000000, H01L0023000000, F17C0009020000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. P. Suresh Kumar Address of Applicant :Associate Professor, Mechanical Engineering Department, RVR and JC College of Engineering, Chowdavaram, Guntur, Andhra Pradesh -----</p> <p>2)Mr. Alias Paul 3)Dr.S.N.Padhi 4)Dr.R.Sankar Ganesh 5)Md. Farid Hossain 6)Dr. Yagya Dutta Dwivedi 7)M. Sudhakar Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. P. Suresh Kumar Address of Applicant :Associate Professor, Mechanical Engineering Department, RVR and JC College of Engineering, Chowdavaram, Guntur, Andhra Pradesh -----</p> <p>2)Mr. Alias Paul Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Christ Knowledge City, Airapuram Post, Muvattupuzha, Ernakulam (Dist.), Kerala, Pin: 683541, India -----</p> <p>3)Dr.S.N.Padhi Address of Applicant :Professor, Dept. of Mechanical Engineering, K L University, Green Fields, Vaddeswaram, Guntur, Andhra Pradesh-522502 -----</p> <p>4)Dr.R.Sankar Ganesh Address of Applicant :Associate Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology, Pollachi Main Rd, Coimbatore, Tamil Nadu 641032 -----</p> <p>5)Md. Farid Hossain Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Dream Institute of Technology, Samali, B.H Road, Thakurpukur, Kolkata 700104, W.B, India -----</p> <p>6)Dr. Yagya Dutta Dwivedi Address of Applicant :Professor, Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad, 500043 -- -----</p> <p>7)M. Sudhakar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Sri Sai Ram Engineering College, West Tambaram, Chennai, Tamil Nadu – 600044 -----</p>
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(57) Abstract :

The present invention discloses an automatic decompression valve fastened to IC engine unit and method thereof. In the present invention, a mechanism for valve-regulated internal combustion engines with an automated decompression feature. This mechanism is characterized by a simple, lightweight design that does not hinder the structural integrity of the cam and camshaft. The decompression device can be mass-produced due to its straightforward and efficient manufacturing process. Accompanied Drawing [FIGS. 1-2]

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