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| <p>(51) International classification :F03G0007080000, B60R0013080000, F03G0007100000, G01G0019020000, G06Q0010000000</p> <p>(86) International Application No :NA Filing Date :NA</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)N V Narasimha Rao, Assistant Professor / Department of Mechanical Engineering, St. Ann's College of Engineering and Technology. Address of Applicant :St. Ann's College of Engineering and Technology, Chirala, AP-523187. ----- 2)Shaik Meeravali, Assistant Professor/ Department of Mechanical Engineering, St. Ann's College of Engineering and Technology 3)Tiruveedula Nani Nagarjuna, Assistant Professor / Department of Mechanical Engineering, NVR College of Engineering and Technology. 4)Sundarasetty Harishbabu, Assistant Professor/ Department of Mechanical Engineering, St. Ann's College of Engineering and Technology. 5)Ravi Kumar Boddu, Assistant Professor/ Department of Mechanical Engineering, St. Ann's College of Engineering and Technology. 6)Shaik Subhani Basha, Assistant Professor/ Department of Mechanical Engineering, Malla Reddy Engineering College for Women (Autonomous). 7)Ramu Garugubilli, Associate Professor/ Department of Mechanical Engineering, Avanathi Institute of Engineering and Technology. 8)Modugaparapu Venkata Pavan Kumar, Assistant Professor / Department of Mechanical Engineering, NVR College of Engineering and Technology. Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)N V Narasimha Rao, Assistant Professor / Department of Mechanical Engineering, St. Ann's College of Engineering and Technology. Address of Applicant :St. Ann's College of Engineering and Technology, Chirala, AP-523187. ----- 2)Shaik Meeravali, Assistant Professor/ Department of Mechanical Engineering, St. Ann's College of Engineering and Technology Address of Applicant :St. Ann's College of Engineering and Technology, Chirala, AP-523187. ----- 3)Tiruveedula Nani Nagarjuna, Assistant Professor / Department of Mechanical Engineering, NVR College of Engineering and Technology. Address of Applicant :NVR College of Engineering and Technology, Tenali, AP-522201. ----- 4)Sundarasetty Harishbabu, Assistant Professor/ Department of Mechanical Engineering, St. Ann's College of Engineering and Technology. Address of Applicant :St. Ann's College of Engineering and Technology, Chirala, AP-523187. ----- 5)Ravi Kumar Boddu, Assistant Professor/ Department of Mechanical Engineering, St. Ann's College of Engineering and Technology. Address of Applicant :St. Ann's College of Engineering and Technology, Chirala, AP-523187. ----- 6)Shaik Subhani Basha, Assistant Professor/ Department of Mechanical Engineering, Malla Reddy Engineering College for Women (Autonomous). Address of Applicant :Malla Reddy Engineering College for Women (Autonomous), Maisammaguda, Kompally, Hyderabad, Telangana-500100. ----- 7)Ramu Garugubilli, Associate Professor/ Department of Mechanical Engineering, Avanathi Institute of Engineering and Technology. Address of Applicant :Avanathi Institute of Engineering and Technology, Visakhapatnam, AP-531113. ----- 8)Modugaparapu Venkata Pavan Kumar, Assistant Professor / Department of Mechanical Engineering, NVR College of Engineering and Technology. Address of Applicant :NVR College of Engineering and Technology, Tenali, AP-522201. -----</p> |
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(57) Abstract :

Abstract: The latest trend in the automotive industry is to develop light weight vehicles. Every automotive industry is looking to reduce the weight of the vehicle as it helps in the better handling of the vehicle and increases the efficiency of the vehicle. Today, the heavy vehicles are known for producing a large amount of harmful gases like CO₂, SO₂, and HC etc. Which act as the major source for Global warming. So research is going on to find a light weight vehicle which does not pollute the environment. One of the alternatives is the use of compressed air to generate power to run an automobile. Due to the unique and environmental friendly properties of air, it is considered as one of the future fuels which will run the vehicles. In this project an effort is made to the engine which works based on compressed and recycled air.

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