

## RIGID PVC GEARBOX HOUSING FOR AUTOMOBILES

VEDAGYA BAKSH<sup>1</sup> & SHIVOMENDRA PATEL<sup>2</sup>

<sup>1,2</sup>Rajiv Gandhi Technical University, Medi-Caps Institute of Science and Technology, Indore, India

### Abstract

*The present invention relates to gearbox housing for automobiles, and more particularly, it relates to a light weight rigid PVC gearbox housing for automobiles capable of reducing the stress concentration of the gearbox housing.*

*Keyword: Gear box casing, optimization, rigid poly vinyl chloride (PVC), transmission, automobiles, weightreduction, power to weight ratio*

**Received:** Nov 15, 2015 ; **Accepted:** Oct 19, 2016 ; **Published:** Feb 15, 2016 ; **Paper Id.:** IJAuERDFEB20162