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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

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(57) Abstract :

ABSTRACT A wheel hub drive assembly comprising a wheel hub, at least one driving electric motor, a compound planetary gear unit includes at least two sets of gear pairs, first gear pair including a sun gear and first set of planet gears operative at first transmission ratio, second gear pair including second set of planet gears and a ring gear operative at second transmission ratio, a polygon coupling unit configured to couple a claw carrier with the wheel hub, wherein the male polygon profile of the polygon coupling is provided on the claw carrier includes multiple lobes for transmitting high torque with low stress and mates with a female polygon profile on the wheel hub to lock relative motion and a steering knuckle houses all the components and having provision for mounting a spring-damper on top and a lower wishbone at bottom.

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