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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.

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(57) Abstract :

The present invention provides an ergonomic adjustable load carriage system (EALCS) for head-supported carriers in difficult terrain. The system comprises a Head Rest and Upper Load Platform Assembly (HULPA), a Neck Support Assembly (NSA), and a Load Stabilization Harness Assembly (LSHA). The HULPA supports loads via a contoured head cradle and a modular platform. The NSA provides cervical support using an adjustable collar and load-distributing connectors. The LSHA includes shoulder straps, sternum connectors, and tensioning components to stabilize the load and enhance user comfort. Each component is modular, adjustable, and designed to distribute load forces ergonomically across the head, neck, and upper torso, thereby reducing fatigue and injury risk during prolonged load carriage in uneven or rugged terrains.

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