

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 47/2023
ISSUE NO. 47/2023

शुक्रवार
FRIDAY

दिनांक: 24/11/2023
DATE: 24/11/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

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.

**(PROF. (DR) UNNAT P. PANDIT)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

24th NOVEMBER, 2023

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241028671 A

(19) INDIA

(22) Date of filing of Application :18/05/2022

(43) Publication Date : 24/11/2023

(54) Title of the invention : A Hand Operated Lower Extremity Exoskeleton for Climbing Stairs

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(86) International Application No	:PCT//	4)B G Sudarshan
Filing Date	:01/01/1900	5)Rahul Naik
(87) International Publication No	: NA	6)Rakesh
(61) Patent of Addition to Application Number	:NA	7)Sagar R Yaligar
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(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Title: A Hand Operated Lower Extremity Exoskeleton for Climbing Stairs ABSTRACT A hand operated lower extremity exoskeleton 100 for climbing stairs comprising a lever 110 configured to receive force from a user, a lower pad 120 configured to receive force from the lever 110 an upper pad 130 configured to receive force from the lower pad 120, at two mechanical springs (140A and 140B) configured to transfer force from the lower pad 120 to upper pad 130, a metal rod 150 configured to connect the upper pad 130, the lower pad 120 and with the at two mechanical springs (140A and 140B) for assisting to climb stairs, a support frame 160 configured with a linear member 160A and a triangulated member 160B to support a leg of the user, at least two pre-tension setting elements configured to increase compression of the at least two mechanical springs (140A and 140B), and a sandal 180 configured to support a foot of the user. FIG.1A

No. of Pages : 20 No. of Claims : 8