

**पेटेंट कार्यालय
शासकीय जर्नल**

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 06/2018

शुक्रवार

दिनांक: 09/02/2018

ISSUE NO. 06/2018

FRIDAY

DATE: 09/02/2018

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.

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

9TH FEBRUARY, 2018

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201641026462 A

(19) INDIA

(22) Date of filing of Application :03/08/2016

(43) Publication Date : 09/02/2018

(54) Title of the invention : SYSTEM AND DEVICE FOR DETECTING HUMAN FALL

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(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72) Name of Inventor :
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Filing Date	:NA	2)Ashutosh A. P
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT A wearable device for detecting human fall comprising a flexible electronic panel equipped with a first sensor, a polymeric substrate housing the flexible electronic panel and a belt facilitating the polymeric substrate and the first sensor to hold close to the human body, wherein the flexible electronic panel detects the human fall when the first sensor measures a movement of the human body exceeding a predetermined threshold value in three orthogonal directions and sends an alert message to a concerned individual. In another embodiment, a method of preparing a flexible polymer substrate comprising mixing at least 10 parts of a PDMS base in at least 1 part of a curing agent vigorously, removing air bubbles from the mixture, incubating the mixture for a predetermined period of time, wherein the mixture after incubation period gets hardened which is then processed to obtain a desired size and shape of the substrate.

No. of Pages : 21 No. of Claims : 10