

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311034419 A

(19) INDIA

(22) Date of filing of Application :16/05/2023

(43) Publication Date : 22/11/2024

(54) Title of the invention : WEARABLE DEVICE AND METHOD FOR GENERATING SOUND OF ANKLET BELLS

(51) International classification	:A61B0005000000, A61B0005110000, A63B0021040000, G08B0021020000, A01M0029160000	(71) Name of Applicant : 1)CHITKARA INNOVATION INCUBATOR FOUNDATION Address of Applicant :SCO: 160-161, SECTOR – 9C, MADHYA MARG, CHANDIGARH – 160009, INDIA (IN) Chandigarh Chandigarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Dr. Vandana
(33) Name of priority country	:NA	2)Prabhdeep Singh
(86) International Application No	:NA	
Filing Date	:NA	
(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 (100) for generating a sound of anklet bells is disclosed. The wearable device (100) provides a strap (102) adapted to be worn around a leg of a user that comprises pressure sensors (104a-104b) and motion sensors (106a-106b) to detect an amount of pressure applied and a movement data of a foot of the user. The wearable device (100) compiles the movement data and the amount of pressure using machine learning algorithms and creates a specific sound note. The wearable device (100) further actuates a sound generating unit (112) and a speaker (114) to playback the sound of the anklet bells based on the created sound note. The wearable device (100) is lightweight, portable, and audible to a mass audience. Claims: 10, Figures: 3 Figure 1 is selected.

No. of Pages : 24 No. of Claims : 10