

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011039541 A

(19) INDIA

(22) Date of filing of Application :12/09/2020

(43) Publication Date : 18/03/2022

(54) Title of the invention : DEVICE FOR CURRENCY IDENTIFICATION AND NOTIFICATION USING BRAILLE CELLS

| | | |
|--|---|--|
| (51) International classification | :G09B0021000000, H04W0088020000, G11C0011406000, G09B0021020000, B60W0040080000 | (71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India |
| (31) Priority Document No | :NA | (72) Name of Inventor : |
| (32) Priority Date | :NA | 1)BAWA, Puneet |
| (33) Name of priority country | :NA | 2)KADYAN, Virender |
| (86) International Application No | :NA | 3)GARG, Pranav |
| 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 :

The present disclosure pertains to a device 100 for currency identification and notification using Braille cells 108. The device 100 can be configured in form of a watch having a strap to facilitate tying and untying of the device 100. The device 100 can operate in three modes – currency identification mode, time notification mode, and refreshing mode. When the device 100 operates in the currency identification mode, the image acquisition unit 102 can capture images of the currencies, and the captured images can further be processed at the control unit 114 to identify the currencies, and then the Braille cells 108 can be moved in one or more directions to form a pattern corresponding to the identified currencies, where people can touch the pattern and identify the currencies. The device 100 also includes a timing unit 104 that facilitates in notifying time in a similar manner.

No. of Pages : 26 No. of Claims : 10