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Patent Number(s): IN201501820-I3

Title: Mobile communication device i.e. Braille based smartphone device, for visually impaired users, has Braille cell for generating Braille pattern data related to Braille patterns corresponding to characters constituting text data

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Derwent Primary Accession No.: 2016-72118D

Abstract: NOVELTY - The device has a touchscreen (1) provided with dots (2) engraved at a fixed spacing. Buttons e.g. cancel button (7), include specific signs engraved on the buttons. A Braille cell (9) includes six actuators in communication with a processor. A function performing unit is enabled to read text data including an email. The Braille cell sequentially generates the Braille pattern data related to the Braille patterns corresponding to the characters constituting the text data in synchronization with or in tandem with reading of the text data by the function performing unit.

USE - Mobile communication device i.e. Braille based smartphone device, for visually impaired users.

ADVANTAGE - The device allows the user to read the messages or text the messages faster by moving hand over the touch screen and feeling and identifying an actuator, thus reducing cost and making device compact.

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of a mobile communication device.

Touchscreen (1)

Dots (2)

Delete button (4)

Cancel button (7)

Braille cell (9)

Drawing:

No image available!
Kein Bild vorhanden!

Derwent Class Code(s): P85 (Education, cryptography, adverts); W01 (Telephone and Data Transmission Systems)

Derwent Manual Code(s): W01-A04A2; W01-C01B3; W01-C01B8H; W01-C01D3C; W01-C01G6C; W01-C01G8S; W01-C01Q6A

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