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(57) Abstract :

A multipurpose Braille E-typewriter head for printing Braille script and images is disclosed. The imprinting is accomplished using an imprinting head having plurality of punching pins connected to the shafts actuated by means of micro-motors. The positioning of the imprinting head is controlled by means of a positioning motor. The Braille head angular to linear motion may be controlled by a positioning motor to obtain standard spacing between the dots of Braille code and images. The invention is used for multiple purposes like for printing Braille code, images and thereof.

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## Patent Search

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### Abstract:

A multipurpose Braille E-typewriter head for printing Braille script and images is disclosed. The imprinting is accomplished using an imprinting head having plurality of pins connected to the shafts actuated by means of micro-motors. The positioning of the imprinting head is controlled by means of a positioning motor. The Braille head ar to linear motion may be controlled by a positioning motor to obtain standard spacing between the dots of Braille code and images. The invention is used for multiple purp like for printing Braille code, images and thereof.

### Complete Specification

Claims:1. A multipurpose E-type writer head for printing Braille script and images comprising:

An imprinting head assembly bearing at least one imprinting tool having embossing faces;

At least one actuator coupled to respective shafts for driving the imprinting tool;

A positioning apparatus which includes a motor to vary the location of the imprinting head relative to the sheet such that the embossing face is positioned to emboss th sheet at a desired location; and

A controller coupled to one or more actuators which can be configured to control the embossing assembly in response to user inputs.

2. A multipurpose E-type writer according to claim 1, wherein said positioning of the actuators for varying the location of the imprinting head relative to the desired location of printing can be controlled through a motor means which can be a servo motor, stepper motor and thereof for required displacement of the imprinting head.

3. A multipurpose E-type writer according to claim 1, wherein said actuators for moving the imprinting head assembly comprising plurality of imprinting tools connect by means of mechanism can be actuated by means of servo-motors, micro-servo motors and thereof.

4. An apparatus for imprinting a pattern of dots on a sheet, comprising:

first nin means for generating a first dot on the desired location

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