

a respective one of said tactile pins being movable, responsive to a bending movement of a corresponding one of said plurality of piezoelectric element reeds; and

said base body having an openable section for enabling said tactile section to be detachable from said base body, thereby facilitating cleaning and maintenance of said plurality of tactile pins without having to detach said plurality of tactile pins from said tactile section; and support means for detachably supporting and fixing said printed circuit board to said base body, said support means including a plurality of spring pins.

2. The braille cell according to claim 1, further comprising:

support means for supporting and fixing said tactile section, said tactile section including a detachable cap and said plurality of tactile pins, said support means supporting said tactile section such that said tactile section is detachable from said openable section of the base body by a movement of said tactile section in one of a horizontal and a vertical direction away from said openable section.

3. The braille cell according to claim 1, further comprising:

a lower stopper means provided on each of said plurality of tactile pins, said lower stopper means striking against an upper stopper means provided on a detachable cap when a respective one of said plurality of piezoelectric element reeds is actuated to enable a movement of a respective one of said plurality of tactile pins, thereby limiting a maximum movement of said respective one of said tactile pins.

4. A braille cell comprising:

a plurality of piezoelectric element reeds, each one of said piezoelectric element reeds being bendable at a front end portion thereof when a DC voltage is applied thereto, each front end portion having a free end portion;

a base body;

each of said plurality of piezoelectric element reeds having a base end portion which is fixed to said base body, said base body having first and second side portions;

a printed circuit board mounted to said base body for supporting said plurality of piezoelectric element reeds in a plurality of groups, said plurality of groups being formed into a plurality of steps at given intervals in said base body;

a plurality of tactile pins corresponding in number to said free end portions of said front end portions of said plurality of piezoelectric element reeds;

a respective one of said tactile pins being movable responsive to a bending movement of a respective one of said plurality of piezoelectric element reeds; and

a pair of fixing plates detachably attached to each other and respectively to said first and second side portions, of said base body for separating said piezoelectric element reeds into first and second side groups in said base body; and wherein:

when said pair of fixing plates are attached to each other, said fixing plates hold said plurality of groups of said piezoelectric element reeds, said printed circuit board and said base body together; and

when said pair of fixing plates when not attached to each other, said plurality of groups of piezoelectric element reeds, said printed circuit board and an interior portion of said base body are separable from each other, thereby facilitating maintenance of said plurality of groups of piezoelectric element reeds, said printed circuit board and said interior portion of said base body; and support means for detachably supporting and fixing said printed circuit board to said base body, said support means including a plurality of spring pins.

5. The braille cell according to claim 4, wherein:

said base body has an openable section;

said braille cell further comprises support means for supporting and fixing a tactile section;

said tactile section including a detachable cap and said plurality of tactile pins;

said support means supporting said tactile section such that said tactile section is detachable from an openable section of said base body by a movement of said tactile section in one of a horizontal and a vertical direction away from said openable section.

6. The braille cell according to claim 4, further comprising:

a lower stopper means provided on each of said free end portions of said plurality of tactile pins, said lower stopper means striking against an upper stopper means when a respective one of said plurality of piezoelectric element reeds is actuated to enable a movement of a respective one of said plurality of tactile pins, thereby limiting a maximum movement of said respective one of said tactile pins.

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