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(54) **TACTILE DISPLAY DEVICE AND METHOD OF CONTROLLING TACTILE DISPLAY DEVICE**

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(57) **ABSTRACT**

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In a tactile display apparatus which displays image information as differences in elevation created among tactile pins which are disposed crisscross in a matrix arrangement, a fewer number of solenoids are used which make the tactile pins project and retract, the number of components is accordingly reduced and the crisscross adjacent gaps between the tactile pins are narrow. Since the solenoids **4** which make the tactile pins **10** project and retract are disposed in a row vertically, one for every preset number of the tactile pins which are lined up in the vertical direction, to a movable unit **5** which is capable of freely moving in the vertical direction and the horizontal direction along which the tactile pins are disposed, and since the movable unit repeatedly moves along the vertical direction and the horizontal direction in turn, the solenoids make all tactile pins project and retract.

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