

Title (en)
DEVICE FOR DETECTING THE SURROUNDINGS OF VISUALLY IMPAIRED INDIVIDUALS

Title (de)
VORRICHTUNG ZUM ERFASSEN DER UMGEBUNG SEHBEHINDERTER PERSONEN

Title (fr)
DISPOSITIF POUR DETECTER L'ENVIRONNEMENT DE PERSONNES A VISION REDUITE

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Application
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Abstract (en)
[origin: WO2005002490A1] The invention relates to a device for detecting the surroundings of a visually impaired individual comprising: a light source (6) that emits a fanned light beam (7); an image recording device (8) that is located outside of the plane of the light beam fan while being oriented toward the same; a tactile pin strip (10) having a multitude of adjacently arranged tactile pins (12) that can move at different heights relative to the strip, and; a controller that converts the course of the line of the light beam fan striking the surroundings, said course of the line being recorded by the image recording unit, into a corresponding ability of the tactile pins to change heights, whereby the controller controls a number of groups of tactile pins or each individual tactile pin.

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