

Title (en)
PRESSURE-SENSITIVE CONDUCTIVE ELASTIC SHEET AND METHOD OF FORMING SAME

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Abstract (en)
[origin: EP0099430A1] A pressure-sensitive, conductive elastic sheet for use in a graphics digitizing tablet through which various letters or figures can be detected, and characteristics of which are such that the contact pressure is almost constant irrespective of contact area or increases with increasing contact area. The pressure-sensitive sheet according to the present invention comprises a silicon rubber (10) in which a number of coarse, ferromagnetic, conductive metal particles (11) with a diameter of 30 to 150 micron are mixed with a number of fine, ferromagnetic, conductive metal particles (12) with a diameter of 10 micron or less or 50 micron or less at a predetermined proportion in such a manner that the coarse particles (11) are aligned vertically through the interior thereof and the fine particles (12) are dispersed near at least one surface thereof. To properly align the particles, the sheet is allowed to set within a uniform magnetic field. A method of forming such a pressure-sensitive conductive elastic sheet is described.

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