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[Continued on next page]

(54) Title: A SENSING DEVICE, SYSTEM AND A METHOD OF MANUFACTURE THEREOF

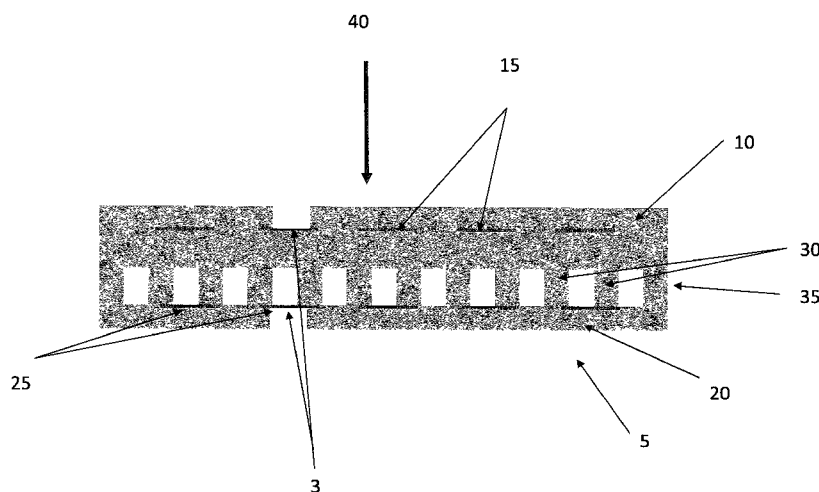


Figure 1

(57) Abstract: A sensing device comprising a first array of electrodes encapsulated in a first elastomeric layer; a second array of electrodes encapsulated in a second elastomeric layer; a third elastomeric layer intermediate the first and second elastomeric layer and comprising an array of micro-structures, wherein said electrodes and elastomeric layers are configured such that a displacement of said micro-structures, in response to one or more forces and/or pressures applied to said device, causes a capacitance of said device to vary as a function of said forces and/or pressure applied.

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