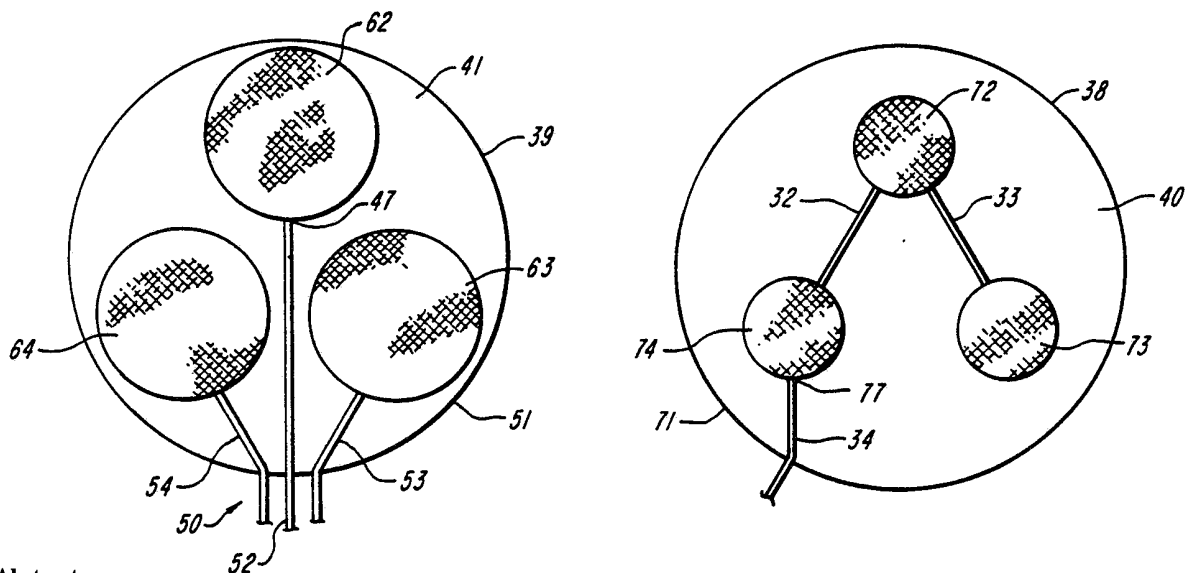




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(54) Title: IMPROVED CAPACITOR-SENSOR



(57) Abstract

An improved capacitor-sensor formed between two rigid, closely-spaced and facing, first and second plates (38, 39) each with a facing and nonfacing surface and with specific facing electrode patterns (62, 63, 64, 72, 73, 74) on the plates forming a plurality of capacitors sensitive to displacement between the plates, which will eliminate asymmetrical overlap patterns and horizontal motion sensitivity. The first and second plate electrode patterns each have three, equispaced, identical, circular conductive regions on their facing surfaces. The diameters of the first plate circular conductive regions (72, 73, 74) are less than the diameters of the circular conductive regions of the second plate (62, 63, 64). Electrical leads and interconnections are so arranged that overlap between leads (52, 53, 54, 34) and interconnections on opposing plates is avoided.