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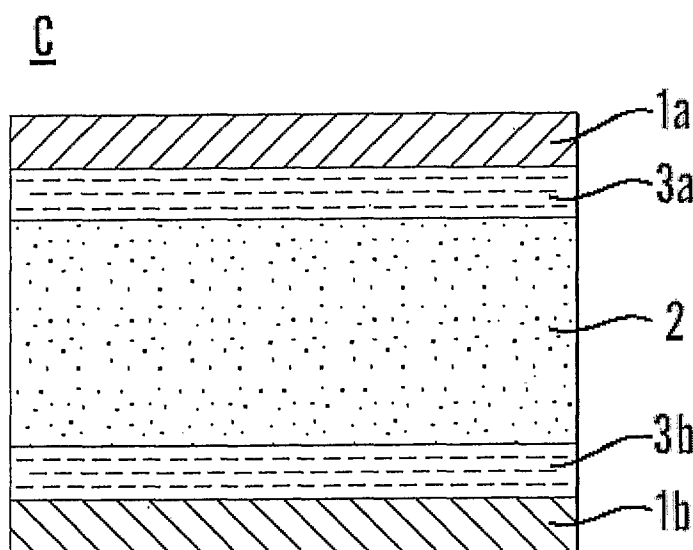
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(54) Title: AN ORGANIC ELECTRONIC CIRCUIT WITH FUNCTIONAL INTERLAYER AND METHOD FOR MAKING THE SAME



(57) Abstract: An organic electronic circuit (C) with improved performance, particularly at elevated temperatures, comprises an organic electret or ferroelectric material (2) provided between a first electrode (1a) and a second electrode (1b). A cell with a capacitor-like structure is defined in the organic electret or ferroelectric material (2) and can be accessed electrically directly or indirectly via the electrodes. At least one functional interlayer (3a; 3b) is provided between one of the electrodes (1a; 1b) and the organic electret or ferroelectric material (2). The interlayer material is inorganic, non-conducting and substantially inert relative to the organic electret or ferroelectric material (2) in general. Typically the interlayer (3) is inert relative to the organic electret or ferroelectric material (2) particularly when the latter is a fluorine-containing material. A plurality of circuits (C) is used for forming a matrix-addressable array. The interlayer

is deposited as molecular species from a source of functional interlayer material without dissociation of individual interlayer molecules.