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(54) Title: RADIO FREQUENCY (RF) COUPLER

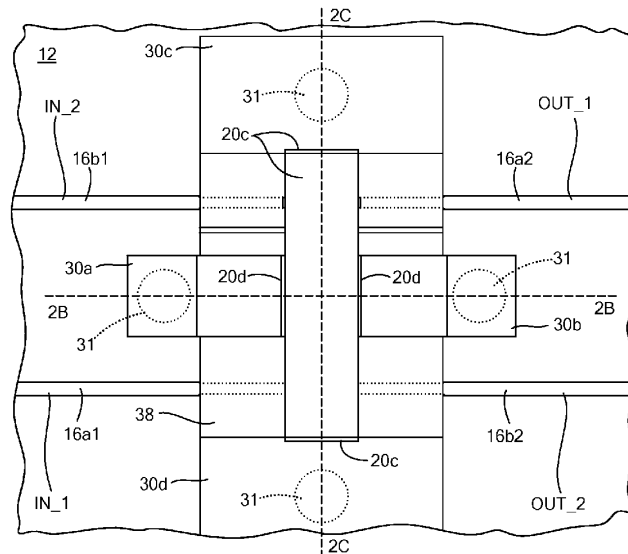


FIG. 2A

(57) **Abstract:** An RF coupler having: a pair of input ports; a pair of output ports; and a coupling region for coupling: a portion of an input signal at a first one of the input ports to first of the pair of output ports and another portion of the input signal fed to the first one of the input ports a second one of the output ports; and one portion of an input signal fed to a second one of the input ports to the second of the pair of output ports and another portion of the input signals fed to the second one of the input ports to the second one of the output ports. The coupling region comprises a plurality of serially connected, vertically stacked, coupling sections. Each one of a plurality of electrically conductive layers is disposed between a pair of the vertically stacked coupling sections.

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