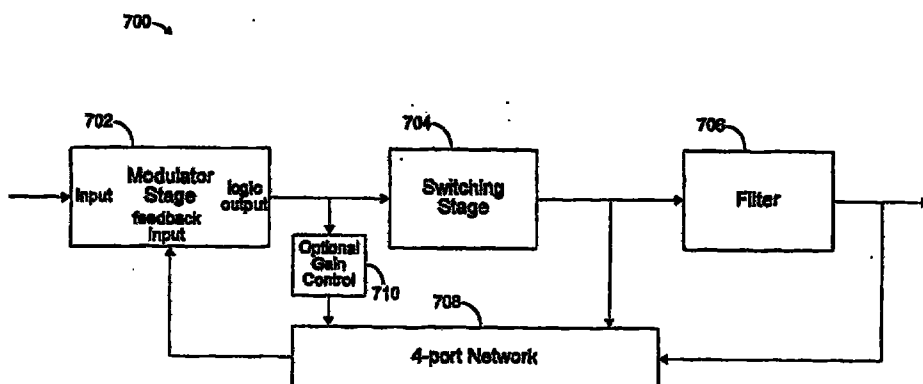




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(54) Title: METHOD AND APPARATUS FOR COMPENSATING FOR DELAYS IN MODULATOR LOOPS ✓



(57) Abstract

A modulator loop (700) designed to operate in a frequency range of interest is described. The loop (704) includes a loop output terminal and a switching stage, the output of which is coupled to the loop output terminal. The switching stage (704) has a first delay associated therewith. The output of a modulator stage is coupled to the input of the switching stage. A first feedback path is coupled between the loop output terminal and the feedback input of the modulator stage. A feedback filter (708) is coupled between the output of the modulator stage and the feedback input of the modulator stage which compensates for the first delay. The feedback filter (708) is operable to transmit frequencies outside the frequency range of interest and attenuate frequencies in the frequency range of interest.