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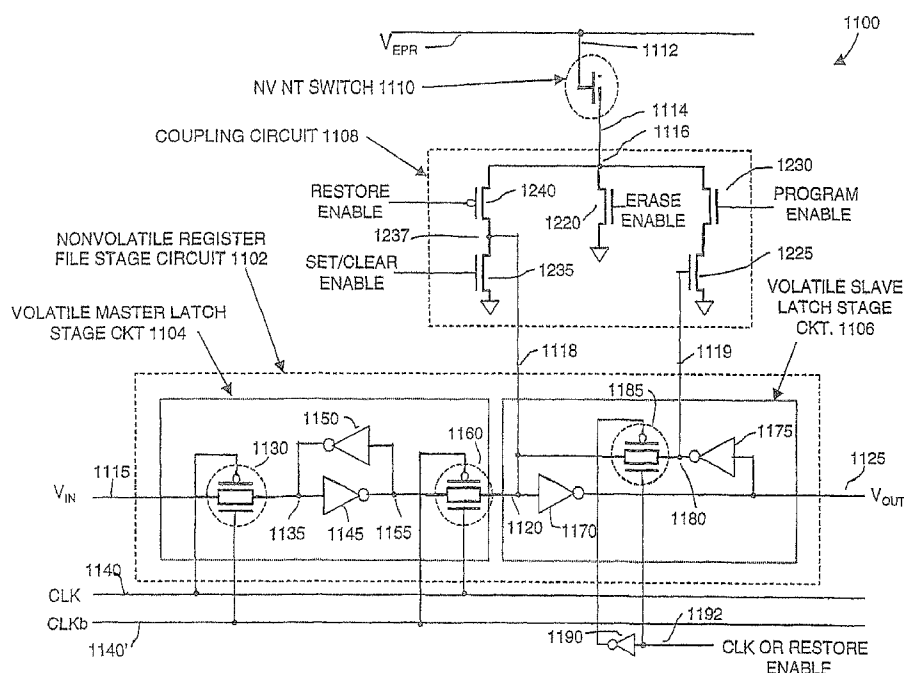
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(54) Title: NON-VOLATILE SHADOW LATCH USING A NANOTUBE SWITCH



(57) Abstract: A non-volatile memory cell includes a volatile storage device that stores a corresponding logic state in response to electrical stimulus; and a shadow memory device coupled to the volatile storage device. The shadow memory device receives and stores the corresponding logic state in response to electrical stimulus. The shadow memory device includes a non-volatile nanotube switch that stores the corresponding state of the shadow device.



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