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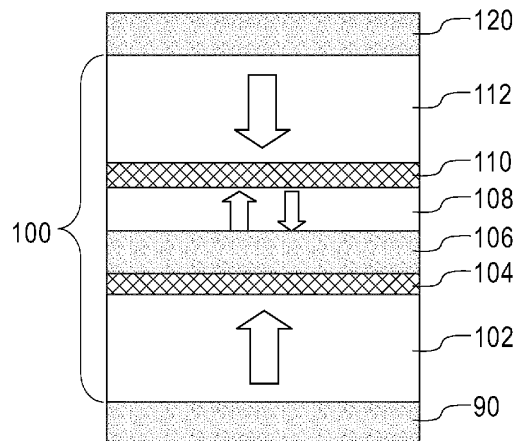
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(54) **Title:** LOW RA NARROW BASE MODIFIED DOUBLE MAGNETIC TUNNEL JUNCTION STRUCTURE



**FIG. 3**

(57) **Abstract:** A modified double magnetic tunnel junction (mDMTJ) structure is provided which includes a narrow base and the use of a spin diffusion layer (i.e., non-magnetic, spin-conducting metallic layer) which gives a low resistance-area product (RA) for the tunnel barrier layer that forms an interface with the spin diffusion layer.

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