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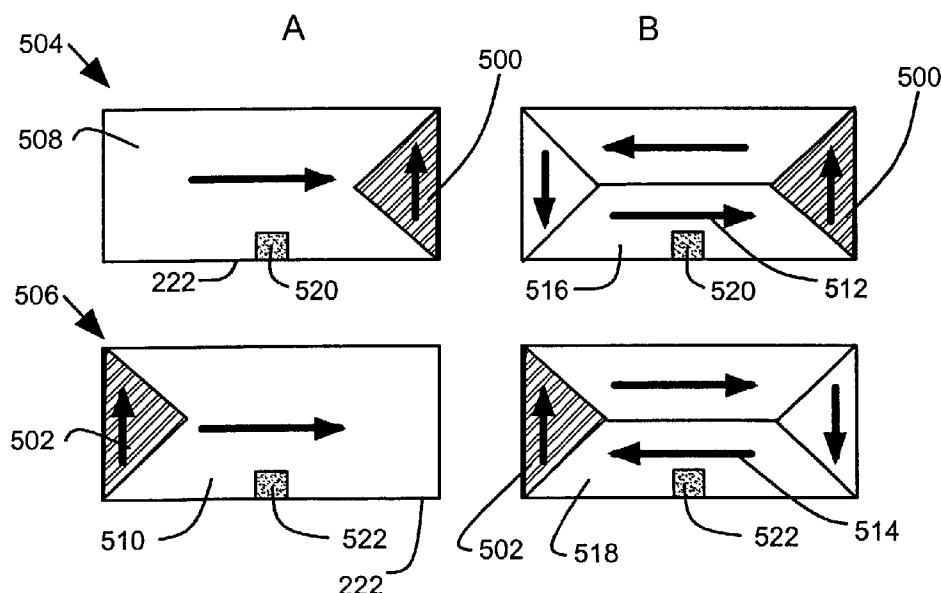
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(54) Title: DOMAIN CONTROL IN SHIELDS OF A MAGNETIC TRANSDUCER



(57) Abstract: A read/write head (110, 214) includes a bottom shield (203) and a shared shields (204, 300, 302, 404, 406, 504, 506). The shared shield includes a first domain (320, 330, 416, 418) and a plurality of closure domains (321, 323, 325, 331, 333, 335). The read/write head also includes a magnetoresistive sensor (205) deposited adjacent an air bearing surface (222) between the bottom shield and the shared shield. The magnetoresistive sensor includes a magnetoresistor (308, 310, 420, 422, 520, 522) aligned with the first domain. Non-magnetic material (224) separates the magnetoresistive sensor from the bottom shield and the shared shield. The shared shield includes a shaped feature (400, 402, 500, 502, 600, 602, 604) that defines an unambiguous direction of magnetization for the first domain.



WO 02/007153 A3