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(71) Applicant: QUANTUM PERIPHERALS COLORADO, INC. [US/US]; 2270 S. 88th Street, Louisville, CO 80028-8188 (US).

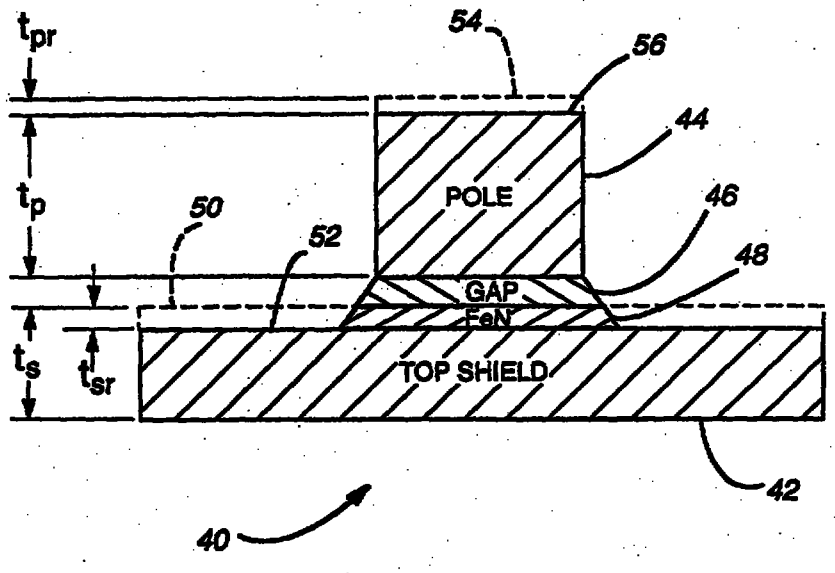
(72) Inventor: SCHEMMEL, Terence, D.; 1812 24th Avenue, Longmont, CO 80501 (US).

(74) Agents: BURTON, Carol, W. et al.; Holland & Hart, Suite 3200, 555 17th Street, P.O. Box 8749, Denver, CO 80201-8749 (US).

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(54) Title: FLUX ENHANCED WRITE TRANSDUCER AND PROCESS FOR PRODUCING THE SAME IN CONJUNCTION WITH SHARED SHIELDS ON MAGNETORESISTIVE READ HEADS



(57) Abstract

A flux enhanced data transducer (40) and method for producing the same in conjunction with shared shields on MR read heads in which substantially between 500-2500 Å of a relatively higher magnetic moment material (48) is added to the upper surface of the shared shield (42), or bottom write head pole, prior to a magnetic flux containment ion milling operation utilizing the upper pole (44) as a mask. The relatively higher magnetic moment flux enhancement layer may comprise CoNiFe, FeN or similar material which is deposited prior to the formation of the dielectric gap layer (46). The flux enhancement layer may then be selectively removed substantially surrounding the upper pole by means of a relatively brief ion milling process in which only on the order of 1.0 kÅ of the layer need be removed and during which only an insignificant amount of the material removed might be re-deposited on the sides of the upper pole.