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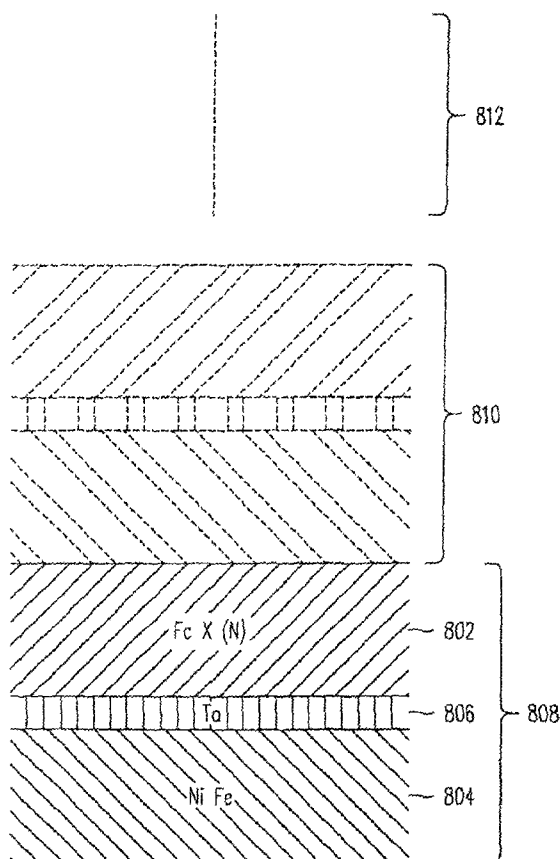
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(54) Title: MAGNETIC MULTILAYERED FILMS WITH REDUCED MAGNETOSTRICTION



(57) Abstract: A shield and pole material with reduced magnetostriction is used which preserves good magnetic characteristics. This material is used in recording heads in tape and disk drives. The material is a repeating sequence of three layers. One layer is FeX(N) where the (N) indicates a nitrogenated film and the additional element, X, is preferentially Ta but can be selected from a group of elements. Another layer is made from a NiFe alloy. The third layer, disposed between the FeX(N) and NiFe layers is tantalum. The sequence of three layers is repeated to build the required thickness for the final material.



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