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EP 0585009 A2 EP 0555102 A2 EP 0499366 A2

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ONLINE DATABASES: WPI,INSPEC

(54) A magnetoresistive head having a substrate which carries a tantalum or chromium surface layer

ABSTRACT

(57) A magnetoresistive head comprising a multi-layer thin film device on a substrate 40 has a material which is inert with respect to the soft film magnetic biasing layer 44 formed at the surface of the substrate prior to soft film deposition. Such materials may be a layer of metal such as Cr or Ta, which have high resistivity due to partial oxidation when deposited on the substrate. The substrate 40 has a layer of alumina (Al_2O_3) or silica (SiO_2) on which the surface layer 42 is formed. The magnetoresistive layer 48 is typically formed for a NiFe alloy whilst the soft magnetic layer 44 comprises an alloy of NiFeRh, NiFeNb or NiFeCr.

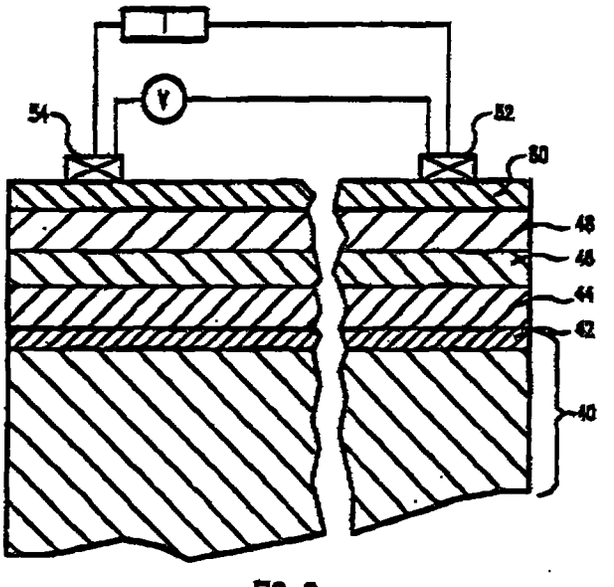


FIG. 2

This Sheet Has Been Replaced

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