Abstract of the Disclosure

TRANSDUCER WITH IMPROVED INDUCTIVE COUPLING

A thin film magnetic transducer is formed in a plurality of layers and comprises a yoke with at least one arm having segments respectively lying in separate said layers and connected through a transition layer, and one or more coils; the coil (or coils) and the yoke are intertwined to provide more than two flux interactions therebetween. In one aspect, the segments of the arm are oriented obliquely to each other and have easy axes of magnetization respectively transverse to the directions of flux conduction through said segments, and the segments are joined together so that flux can pass between them without flowing parallel to the easy axis of any of the segments.

fig 3

APPL1781.BOS

This Sheet Has Been Replaced

