

ABSTRACT

A magnetic transducer and suspension assembly suitable for use in both contact recording and in winchester-type applications is described. A generally rectangular elongated flat suspension member includes a vertical-type inductive read/write transducer formed integrally with the suspension member and is embedded in one end of the suspension member. The vertical inductive transducer is suitable for vertical recording applications. The transducer vertical magnetic pole tip and magnetic yoke structure are formed at one end of the suspension member with the vertical pole tip extending to and exposed at an air bearing surface formed on the lower surface of a slider-shaped protrusion extending from the lower surface of the end of the suspension member. The integral transducer/suspension assembly can be adapted for either flying above the recording media or for use in continuous contact with the recording media. The air bearing surface is formed on the lower surface of a wear pad. The fabrication of the transducer/suspension assembly is adapted to be performed at the wafer level.

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