

TRANSDUCER SUSPENSION SYSTEM

ABSTRACT

A transducer suspension system has a transducer head (30), laminated member (112) and a load beam (110). The laminated member (112) is comprised of a support layer, at least two electrically insulating layers, and at least two electrically conducting layers. The electrical leads (120) are formed directly into the laminated member (112) such that each electrical lead (120) is directly above or below at least one other electrical lead (120). The overlying leads (120) have noise cancellation similar to that for twisted wire pairs. In addition, by stacking the electrical leads (120), more electrical leads (120) can be accommodated in the same suspension width.

Fig. 3

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