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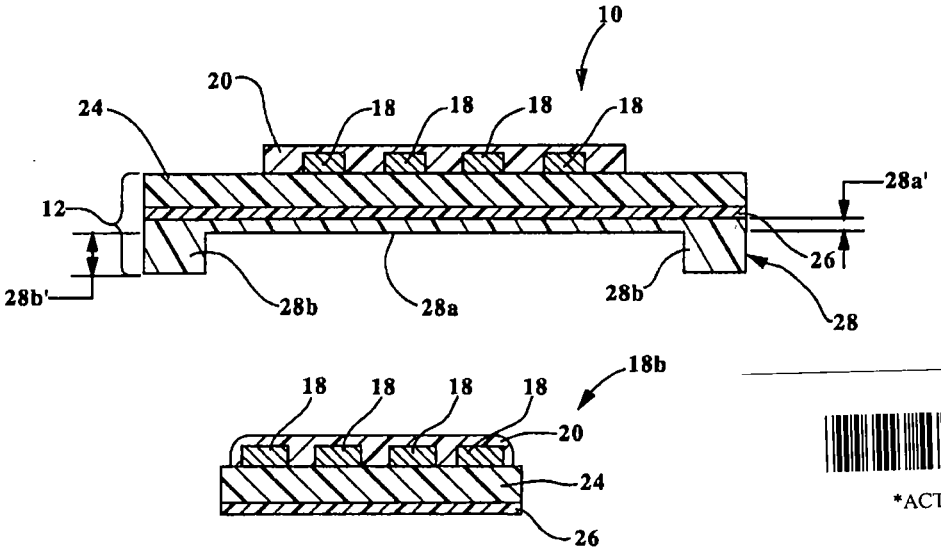
(54) Title: HARD DISK DRIVE SUSPENSION WITH INTEGRAL FLEXIBLE CIRCUIT



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(57) Abstract: A disk drive suspension assembly including an elongated polymeric base member having a plurality of traces formed directly on a first surface thereof and a reference voltage layer formed on a second surface thereof. A support member is formed directly on at least a portion of the reference voltage layer. The plurality of traces overlay at least a portion of the reference voltage layer. The reference voltage layer is formed from a first electrically conductive material and the support member is formed from a second electrically conductive material. The first electrically conductive material providing substantially greater electrical conductivity and substantially less tensile strength than the second electrically conductive material. The support member includes a head gimbal portion having a first thickness and a load beam portion having a second thickness. The second thickness is substantially greater than the first thickness.

WO 01/86641 A1