

LOAD BEAM AND METHOD FOR DESIGNING SAME

ABSTRACT

5 A load beam (205) for use in a head suspension assembly of a hard
disk drive comprises an elongate support portion (250) extending
between a proximal end (118) and a distal end (117), where the width of
the support portion (235) tapers, and where the thickness of the
support portion (235) tapers laterally from a thicker longitudinal central
10 portion (250) to thinner side portions (255). A lateral cross-sections
(271,272,273 and 274) of the support portion (235) extend along its
longitudinal axis (251) and comprises two substantially parallel sides, a
shorter upper side (253), and a longer lower side (254); and two sides
(252) that extend between the shorter upper side (253) and the longer
15 lower side (254).

FIG. 2A, 2B & 2C accompanies the abstract.



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