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(54) Title: DRIVE LEVEL FLOW-FIELD CONDITIONING TO REDUCE FLOW FIELD TURBULENCE

(57) Abstract: A flow control device (120) for a data storage system to reduce flow induced vibration. The flow control device (120) includes a plurality of streamline flow passages (122) to reduce turbulent flow in a flow field along a disc surface. Thus, air flow induced by rotation of data discs is directed through the plurality of streamline flow passages (122) to reduce turbulence to limit excitation or vibration of the head (108) and suspension components.



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