This Sheet Has Been Replaced



ORIGINAL

ABSTRACT

NEGATIVE PRESSURE AIR BEARING SLIDER

The present invention provides a negative pressure air bearing slider having two side rails (20, 22), a cross rail (24), a negative pressure cavity (28), and means (31, 31', 31'', 34, 36) formed in the cross rail for communicating air from the leading cavity to the negative pressure cavity, characterised in that the air communicating means comprises a pair of channels (31',31'') angled with respect to the leading edge so that the pressure differential over the trailing edge is reduced when the slider is at a skew angle.

[Figure 4b]