HARD DISK DRIVE SLIDER

ABSTRACT

~~[0058]~~ A hard disk drive system is provided. The hard disk drive system includes a hard disk and at least one slider structure for reading data from and writing data onto the hard disk. The hard disk includes a plurality of layers, and at least a topmost one of the plurality of layers comprises a lubricant layer. The at least one slider structure includes an air bearing surface and one or more structures for forming lubricant reservoirs. The air bearing surface includes a read/write sensor for reading and writing the data from/onto the hard disk. And the one or more structures form the lubricant reservoirs which are fluidically coupled to the air bearing surface to prevent lubricant buildup on the air bearing surface.

Fig. 7