

FIG. 1

|                                                      |
|------------------------------------------------------|
| DIAMOND-LIKE CARBON PROTECTIVE LAYER                 |
| CoPt OR FePt BASED MAGNETIC RECORDING LAYER          |
| Ru SEED LAYER (SEVERAL NANOMETERS)                   |
| CoFe ALLOY SOFT-MAGNETIC LAYER (APPROXIMATELY 50 nm) |
| Ru INTERLAYER (SEVERAL NANOMETERS)                   |
| CoFe ALLOY SOFT-MAGNETIC LAYER (APPROXIMATELY 50 nm) |
| THERMAL DIFFUSION CONTROL LAYER                      |
| SUBSTRATE (GLASS, NiP PLATED ALUMINUM)               |