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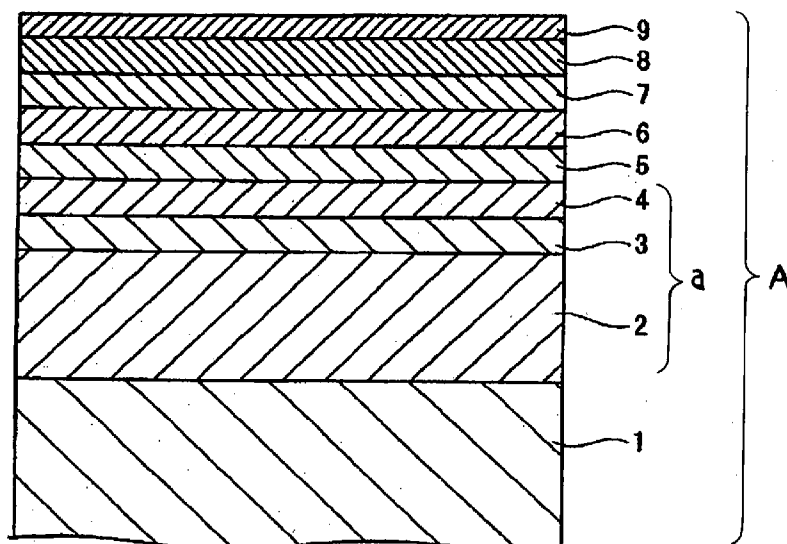
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(54) Title: MAGNETIC RECORDING MEDIUM AND MAGNETIC RECORDING AND REPRODUCING DEVICE USING THE MAGNETIC RECORDING MEDIUM



(57) Abstract: A magnetic recording medium A is provided on a non-magnetic substrate 1 with at least a soft under layer a, an under film 5, an intermediate film 6 and a perpendicular magnetic recording film 7. The soft under layer a is a soft magnetic film having an amorphous structure. The under film 5 is formed of an Ni-W alloy. The intermediate film 6 is formed of an Ru alloy. In the Ni-W alloy, the Ni content is 80 atom % or more, and the W content is 20 atom % or less and preferably in the range of 1 atom % to 12 atom %. A magnetic recording and reproducing device 12 equipped with the magnetic recording medium A is excellent in productivity and capable of recording and reproducing information of high density.

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