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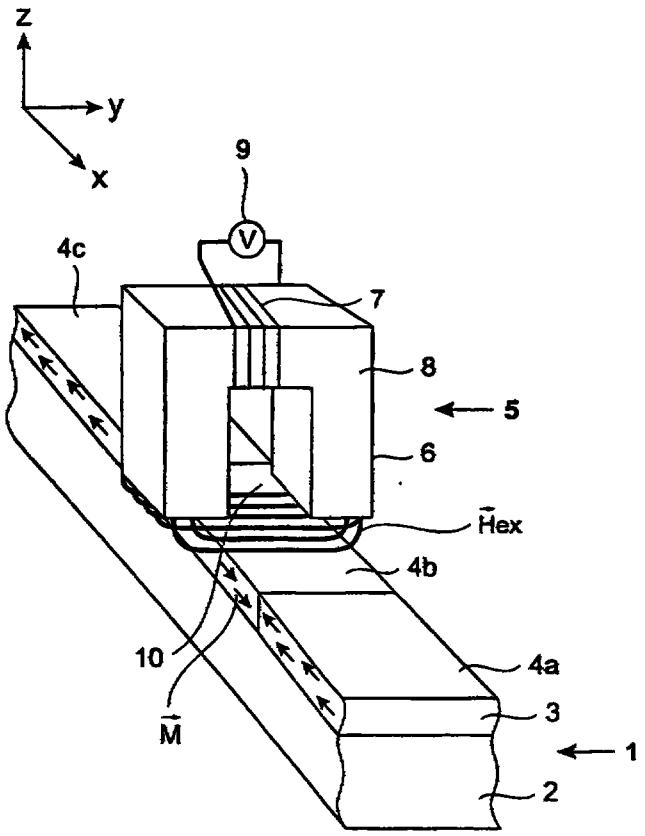
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(54) Title: ULTRAFAST MAGNETIZATION REVERSAL



(57) Abstract: A scheme for ultrafast magnetization reversal in an in-plane magnetized layer (3) is disclosed. For that, an external magnetic field $\vec{H}_{ex}$ is applied such that the magnetization $\vec{M}$ precesses around the external magnetic field $\vec{H}_{ex}$ and the external magnetic field $\vec{H}_{ex}$ is maintained until the precession suffices to effect the magnetization reversal. The external magnetic field $\vec{H}_{ex}$ is applied approximately perpendicular to the magnetization $\vec{M}$.

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