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(54) Title: VARIABLE TRACK WIDTH RECORDING COMPENSATION

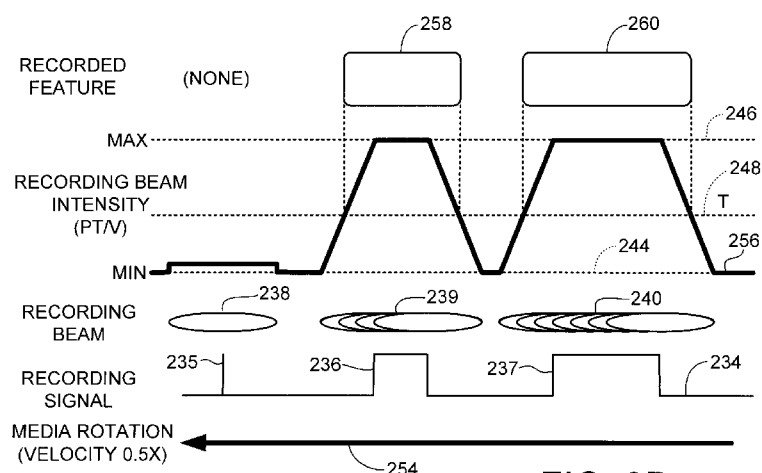


FIG. 9B

(57) Abstract: Method and apparatus for providing a storage medium with variable track widths. In accordance with various embodiments, a data storage medium is rotated by a motor. A write transducer is used to write concentric data tracks to the storage medium during said rotation. The tracks are provided with variable track widths established by selectively changing a rotational velocity of the medium. The variable track widths can be gradual and/or abrupt, depending on the requirements of a given application. Gradual variations in track width can be used by a linear actuator with a linear translation path to emulate tracks written along a pivot translation path of a rotary actuator. Abrupt variations in track width can be used to provide different zones of tracks having different specified track widths. The tracks may be written using an electron beam recorder (EBR) with a constant write beam power level.