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(54) Title: METHODS AND SYSTEMS OF ADJUSTING TILT USING MAGNETIC ERASE WIDTH FEEDBACK

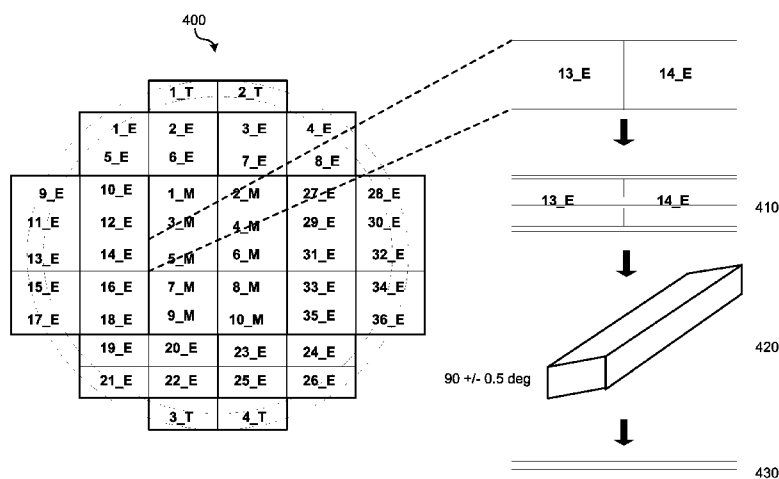


Figure 4

(57) Abstract: Systems and methods are provided for manufacturing magneto-resistive devices utilized in magneto-resistive read elements by depositing a plurality of rows of magnetic transducers on a wafer. The wafer may then be diced/cut into bars of active device regions for incorporation into a magnetic recording head. Sampling of a subset of bars from one or more bar sections of the wafer may be processed to obtain feedback associated with magnetic erase width (MEW). An air bearing surface (ABS) tilt angle based on the MEW feedback may then be applied to the one or more bar sections of the wafer during subsequent processing to optimize the magnetic performance of each resulting magneto-resistive device.