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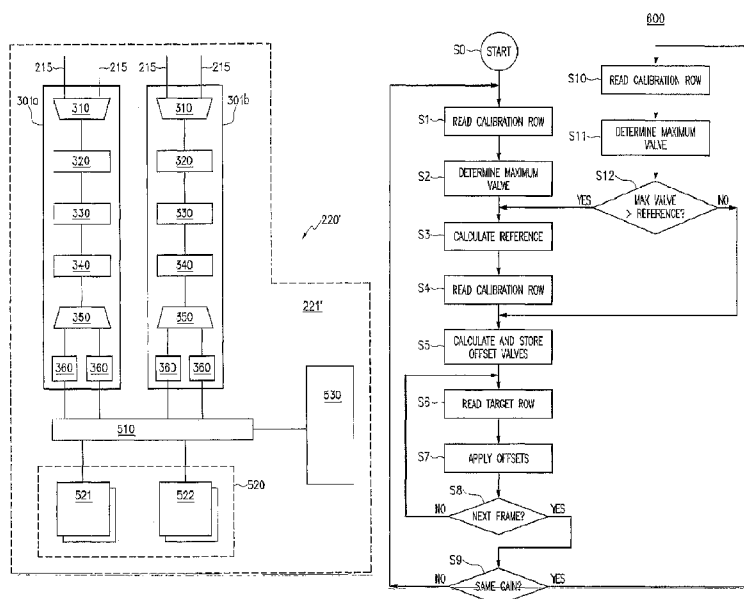
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(54) Title: GENERATION AND STORAGE OF COLUMN OFFSETS FOR A COLUMN PARALLEL IMAGE SENSOR



(57) Abstract: The plural signal chains of an imaging device are calibrated in the digital domain. The pixel array of the imaging device includes a row of calibration pixels. The column circuitry, prior to reading a row of pixels, reads the row of calibration pixels in order to obtain a set of column offsets. The row of pixels is read and processed to produce a corresponding plurality of digital values. The set of column offsets are applied to the digital values to compensate for response differences among the signal chains.