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## [54] STITCH QUALITY MONITORING SYSTEM FOR SEWING MACHINES

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[52] U.S. Cl. .... 112/278

[58] Field of Search ..... 112/278, 273; 200/61.18, 61.13; 250/559.01

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## [57] ABSTRACT

Stitch quality monitoring system for use in combination with a sewing machine having one or more stitch threads and comprising sensor means for at least one of said one or more stitch threads for detecting thread motion during each sewing stitch cycle. Encoder means is operatively associated with the sewing machine for creating a predetermined constant number of sensor means sampling signals for each stitch cycle of the sewing machine, and circuit means is electrically connected to the sensor means and encoder means for detecting stitch defects during the formation of potentially defective stitches.

26 Claims, 7 Drawing Sheets

