

Title (en)
OPTICAL BROKEN THREADS MONITORING DEVICE FOR TUFTING MACHINES

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EP 0221546 B1 19890517 (DE)

Application
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Priority
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Abstract (en)
[origin: US4691647A] An optical thread breakage monitoring apparatus for tufting machines has a laser beam scanning apparatus (21). The retroreflecting strip (11) illuminated by this laser beam scanning apparatus (21) is secured above the eyes (12) of the needles (13) to the front side of the needle beam (14) (FIG. 1).

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