

Title (en)
WEFT CONTROL DEVICE FOR CIRCULAR LOOMS

Publication
EP 0167829 B1 19900411 (DE)

Application
EP 85106950 A 19850605

Priority
CH 279884 A 19840608

Abstract (en)
[origin: US4616681A] Weft threads on a circular loom which are wound off the respective bobbin of the weaving shuttle traveling in the weaving shed along a circular path formed by the circular reed, and transferred onto the fabric edge of the tubular fabric, are supervised by a scanner in order to generate an electric stop signal in the case of a weft thread fault. This results from the use of a non-contact sensory system of capacitive, inductive, opto-electric or magnetic kind, with the scanner means comprising a tipping lever supported on the respective shuttle and acted upon by the drawn-off thread against the effect of a restoring force, said tipping lever functioning like a switch, in the case of a weft thread fault, and combined with at least one signal transmitting component of the sensory system arranged on the reed. This permits the correct supervision of the existence of the weft threads wound off the bobbins of the circulating shuttles in order to stop the loom immediately, so as to avoid a weaving fault, in the case of a weft thread failure owing to weft thread breakage or depletion of the weft thread package, for example.

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IPC 8 full level
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CPC (source: EP KR US)
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Cited by
AT518058A4; AT518058B1; US10711376B2; DE212017000105U1; WO2017190739A1

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