

Title (en)

Device for detecting leno yarn breakages on weaving looms and loom, particularly with heald frames and a device for detecting yarn breakages

Title (de)

Vorrichtung zur Ermittlung von Fadenbrüchen von Dreherfäden bei Webmaschinene bzw. Webmaschine, insbesondere mit Webschäften und einer Vorrichtung zur Ermittlung von Fadenbrüchen

Title (fr)

Dispositif pour détecter la casse de fils de tour dans un métier à tisser et métier à tisser, notamment avec des lames et un dispositif de détection de la casse de fils

Publication

**EP 1270780 B1 20070314 (DE)**

Application

**EP 02011125 A 20020518**

Priority

- DE 10128079 A 20010609
- DE 10133800 A 20010711

Abstract (en)

[origin: EP1270780A2] The system to register a leno yarn break at a loom leno selvage unit has at least two guide arms for at least two leno yarns (2,3), which are twisted together by the rotation of the arms. A monitor (13,14) registers the natural oscillation of the two arms (12). The yarn break monitor is located at the front shed of the loom, between the leno selvage unit (10) and the loom shafts. The oscillation is monitored without contact, using a magnetic field from the magnetically conductive arms and a field sensor. The sensor readings are processed by an evaluation unit, which compares signals for intact and broken yarns, and is connected to a signal transmitter. The arms are fitted with permanent magnets, and the sensor has an inductive action through a coil or a Hall sensor, or it has a capacitive operation.

IPC 8 full level

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CPC (source: EP US)

**D03C 7/00** (2013.01 - EP US); **D03C 7/08** (2013.01 - EP US); **D03D 51/20** (2013.01 - EP US)

Cited by

CN108239821A; EP1357214A3; CN105937074A

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SI

DOCDB simple family (publication)

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