

Title (en)
Yarn break detector of a spinning machine

Title (de)
Garnbruchdetektor einer Spinnmaschine

Title (fr)
Détecteur de rupture de fil d'un métier à filer

Publication
EP 2772573 B1 20160203 (EN)

Application
EP 14153597 A 20140203

Priority
JP 2013040739 A 20130301

Abstract (en)
[origin: EP2772573A1] A spinning machine has a ring plate, a ring fixed on the ring plate and a traveler slidably mounted on the ring. The traveler is made of a magnetic material. A yarn break detector of the spinning machine detects the traveler to determine presence or absence of a yarn break. The yarn break detector is characterized in that the yarn break detector includes a magnet and a magnetometer that are located on or above the ring plate. The magnet magnetizes the traveler. The magnetometer uses a magneto-impedance element to detect magnetism of the magnetized traveler.

IPC 8 full level
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CPC (source: EP)
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Cited by
CN109162016A; CN113423882A; CN106192102A; ITUB20159155A1; EP3293295B1

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