

Title (en)  
Yarn detecting system of spinning machine

Title (de)  
Garnerkennungssystem einer Spinnmaschine

Title (fr)  
Système de détection de fil de métier à filer

Publication  
**EP 2671984 B1 20170405 (EN)**

Application  
**EP 13169293 A 20130527**

Priority  
JP 2012129134 A 20120606

Abstract (en)  
[origin: EP2671984A2] A spinning machine has a plurality of ring plates. A yarn detecting system of the spinning machine includes a yarn detecting unit provided in the ring plate, a main control device and a non-contact power transmission device provided in each ring plate. The yarn detecting unit includes a yarn detecting device having a sensor provided for each spindle and a determining device determining a state of yarn based on a signal generated by the yarn detecting device. The signal is transmitted by the determining device to the main control device by wireless communication. Non-contact electric power transmission is performed between any two adjacent ring plates. Electric power is supplied to the yarn detecting unit through the non-contact power transmission device.

IPC 8 full level  
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CPC (source: EP)  
**D01H 13/1633** (2013.01)

Cited by  
CN114326456A; ITUB20154712A1; CN110109796A; CN106637541A; CN112229898A; CN106048794A; CN107190377A; WO2017068540A1

Designated contracting state (EPC)  
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