

Title (en)

SLIVER DETECTING DEVICE FOR DIVIDERS OF SPINNING CARDS

Publication

EP 0071141 A3 19830831 (EN)

Application

EP 82106479 A 19820719

Priority

IT 2322581 A 19810729

Abstract (en)

[origin: EP0071141A2] A device for checking the presence of slivers in carding machines and the like comprises: a number of piezoelectric feeler units equal to the number of slivers to be checked, and on which said slivers are simply rested and slide during their movement, said feeler units converting the mechanical vibrations produced by the movement of the slivers on said units into oscillating electrical signals; a switchable channel fed by said piezoelectric feeler units and conveying to a single output at different moments of time the signals which reach the channel at separate inputs; a single signal amplifier tuned to the frequency range produced by the feeler units; a selection circuit which chooses only one feeler unit at any given moment and connects it to the amplifier; and an actuator circuit which integrates the signal originating from the amplifier and produces a stop signal and or activates alarm means if one or more of the signals originating from the feeler units are indicative of a broken or absent sliver.

IPC 1-7

D01G 15/52; **D01G 31/00**

IPC 8 full level

B05C 11/04 (2006.01); **D01G 15/52** (2006.01); **D01G 31/00** (2006.01)

CPC (source: EP)

B05C 11/04 (2013.01); **D01G 15/52** (2013.01); **D01G 31/00** (2013.01)

Citation (search report)

- [Y] EP 0023583 A1 19810211 - AKZO GMBH [DE]
- [Y] BE 666905 A
- [A] GB 2059594 A 19810423 - METTLER SOEHNE MASCHF
- [A] DE 1928430 A1 19691218 - ALGEMENE KUNSTZIJDE UNIE NV
- [A] US 3330007 A 19670711 - FOSTER HAROLD L

Cited by

US4914785A; CN105040189A; DE19627194A1; DE19627194C2; DE19627194C5

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

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EP 0071141 A2 19830209; **EP 0071141 A3 19830831**; IT 1138893 B 19860917; IT 8123225 A0 19810729

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