

Title (en)

Textile machine comprising at least one dust removal device

Title (de)

Textilmaschine mit wenigstens einer Entstaubungsvorrichtung

Title (fr)

Machine textile comprenant au moins un dispositif enlevant la poussière

Publication

EP 1422330 A1 20040526 (DE)

Application

EP 03026348 A 20031118

Priority

DE 10255382 A 20021125

Abstract (en)

A dust removal installation comprises an elctrostatically charged band (16), which collects dusts as it moves continuously around the area. The dust is removed from the band by first discharging (23) it and then passing it under suction hoods (26, 27). IT is then charged again (21) and recirculated. The band runs over non-conducting guide rollers (17), one of which is driven (20). The roller (17b) near the charging electrode is conducting and can act as charging element. Several bands running in different planes in a circular path can be used near the yarn feeders of a circular knitting machine. On a flat bed knitting machine the band takes a longitudinal instead of a circular path.

Abstract (de)

Es wird eine Textilmaschine mit wenigstens einer Entstaubungsvorrichtung beschrieben. Die Entstaubung erfolgt dadurch, daß wenigstens ein elektrostatisch aufladbares Staub-Sammelelement (16) und ein Mittel (24, 25) zur Abführung von mit dem Sammelelement (16) gesammeltem Staub vorgesehen wird (Fig.2). <IMAGE>

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D04B 35/32

IPC 8 full level

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CPC (source: EP KR US)

B03C 3/38 (2013.01 - KR); **D04B 9/00** (2013.01 - KR); **D04B 35/32** (2013.01 - EP KR US); **D04B 37/02** (2013.01 - KR)

Citation (search report)

- [X] DD 128495 A1 19771123 - KAHMANN GOTTFRIED, et al
- [X] US 3678713 A 19720725 - WOODFORD TERRENCE R

Cited by

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