

Title (en)

A METHOD AND A DEVICE FOR REMOVING SMALL PARTICLES OF IMPURITIES FROM TEXTILE MACHINES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ENTFERNUNG VON KLEINEN VERUNREINIGUNGSPARTIKELN AUS TEXTILMASCHINEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ÉLIMINATION DE PETITES PARTICULES D'IMPURETÉS SUR DES MACHINES TEXTILES

Publication

**EP 3508627 A1 20190710 (EN)**

Application

**EP 18214370 A 20181220**

Priority

CZ 20183 A 20180104

Abstract (en)

The invention relates to a method for removing impurities, particularly dust and/or very small portions of fibers contained in a sliver during the opening of fibers from the sliver in an opening device (2) of an open-end spinning machine, in which the sliver is fed by a feeding device to toothed surface (23) of an opening roller (22), by which the individual fibers of the sliver in an opening zone (26) are pulled out from the grip by the feeding device and are guided in the opening device along a primary removal zone (3) for removing small and very small impurities and then are guided along a secondary removal zone (5) for removing the remaining impurities, in the primary removal zone (3) the fibers are acted upon by the vacuum from a central channel (6) only behind the opening zone (26), whereupon in the secondary impurities removal zone (5) the fibers are acted upon by the centrifugal force and by the vacuum from the central channel (6). The invention also relates to a device for performing this method in a spinning unit of an open-end spinning machine.

IPC 8 full level

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**D01H 4/32** (2013.01 - CN CZ); **D01H 4/36** (2013.01 - CN CZ EP)

Citation (search report)

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