

Title (en)

OPEN-END SPINNING MACHINE WITH IMPROVED YARN WASTE DISCHARGE DEVICE AND RELATED YARN WASTE DISCHARGE METHOD

Title (de)

OFFENENENDSPINNMACHINE MIT EINEM VERBESSERTEN GARNABFALLENTSORGUNG UND KORRESPONDIERTER VERFAHREN

Title (fr)

MACHINE À FILER À BOUT LIBRE AYANT UN DISPOSITIF D#ÉVACUATION DE DÉCHETS DE FIL AMÉLIORÉ ET PROCÉDÉ ASSOCIÉ D#ÉVACUATION DE DÉCHETS DE FIL

Publication

**EP 3489398 A1 20190529 (EN)**

Application

**EP 18204945 A 20181107**

Priority

IT 201700133711 A 20171122

Abstract (en)

An open-end spinning machine (4) comprising at least one spinning head (8) having a spinning unit (12) and a reel winding unit (16), a centralized or main suction system (24) of the spinning machine (4), having means for producing a vacuum (28) for the machine (4) and provided with a waste reception duct (32), such as fluff, dust and/or yarn fibres, with an input mouth (36) to be connected to said vacuum generating means (28) by means of a main shut-off valve (40), at least one service trolley (44) mobile so as to be placed in the vicinity of each spinning head (8) and provided with its own secondary suction device (48) able to generate a vacuum to aspirate yarn waste from each spinning head (8). Advantageously, the secondary suction device (48) is fitted with its own storage tank (52) for collecting the aspirated yarn waste, and its own discharge duct (56) suitable to allow the selective emptying of the waste accumulated in said storage tank (52). The discharge duct (56) being fitted with a discharge mouth (60) and a secondary shut-off valve (64) configured to interact selectively with the input mouth (36) of the waste reception duct (32) and/or with the main shut-off valve (40). [Fig. 1]

IPC 8 full level

**D01H 4/48** (2006.01)

CPC (source: EP)

**D01H 4/48** (2013.01)

Citation (search report)

- [IY] JP H0551828 A 19930302 - MURATA MACHINERY LTD
- [A] EP 0442049 A2 19910821 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [YA] EP 2508659 A1 20121010 - SAVIO MACCHINE TESSILI SPA [IT]
- [A] EP 2530193 A1 20121205 - SAVIO MACCHINE TESSILI SPA [IT]
- [Y] EP 2305864 A1 20110406 - OERLIKON TEXTILE GMBH & CO KG [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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**EP 18204945 A 20181107**; CN 201811389956 A 20181121; CN 201821927312 U 20181121