Title (en)

Spinning-nozzle cleaning device and cleaning method for a spinning machine

Title (de)

Spinndüsenreinigungseinheit und Reinigungsverfahren für eine Spinnvorrichtung

Title (fr)

Dispositif et procédé de nettoyage de filières pour une installation de filage

Publication

EP 1493849 A1 20050105 (EN)

Application

EP 04009504 A 20040422

Priority

JP 2003188474 A 20030630

Abstract (en)

A cleaning device, which cleans a metal frame surface of a spinning nozzle during a spinning process, is provided with: a blade 12 that extends in the radial direction of the metal frame surface of the spinning nozzle, and has a blade tip portion 120 having a length corresponding to the radial dimension; a mechanism 11 which allows the blade 12 to rotate centered on the metal frame surface of the spinning nozzle; and a blade pressing means 121 which presses the blade tip portion 120 of the blade 12 onto the metal frame surface of the spinning nozzle so as to be made in contact therewith uniformly over the length direction. Thus, the blade, which is allowed only to turn around without revolving and vibrating, is shifted along the shape of the metal frame surface of the spinning nozzle.

IPC 1-7

D01D 4/04

IPC 8 full level

D01D 4/04 (2006.01)

CPC (source: EP)

D01D 4/04 (2013.01)

Citation (search report)
- [A] EP 1193334 A1 20020403 - MURATA MACHINERY LTD [JP], et al
- [PA] DE 10311891 A1 20031002 - MURATA MACHINERY LTD [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07 3 July 2002 (2002-07-03) & JP 2002088561 A 20020327 - MURATA MACHINERY LTD, et al

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Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 1493849 A1 20050105; **EP 1493849 B1 20091014**; CN 100537857 C 20090909; CN 1576401 A 20050209; DE 602004023563 D1 20091126; JP 2005023461 A 20050127; JP 3914178 B2 20070516

DOCDB simple family (application)

EP 04009504 A 20040422; CN 200410062876 A 20040629; DE 602004023563 T 20040422; JP 2003188474 A 20030630