

Title (en)

Winding apparatus with Fiber dust collecting device

Title (de)

Spulvorrichtung mit Faserstaubsammelvorrichtung

Title (fr)

Bobinoir avec Dispositif de collecte de poussière de fibre

Publication

**EP 2028303 A2 20090225 (EN)**

Application

**EP 08012483 A 20080710**

Priority

JP 2007215302 A 20070821

Abstract (en)

A fiber dust collecting device according to the present invention includes a suction nozzle 35 located away from a balloon guide 20 of an unwinding assisting device 2 and an elevating and lowering means 22. The fiber dust collecting device is configured such that the elevating and lowering means 22 displaces the suction nozzle 35 downward in conjunction with progress of the operation of unwinding a yarn from a supplying bobbin B so that a suction opening 42 of the suction nozzle 35 faces an unwinding position 29 on the supplying bobbin B and a balloon formation area in which an unwound yarn forms a balloon (Fig. 1).

IPC 8 full level

**B65H 54/70** (2006.01); **D01H 11/00** (2006.01)

CPC (source: EP)

**B65H 54/702** (2013.01); **B65H 57/22** (2013.01); **D01H 1/00** (2013.01); **D01H 1/003** (2013.01); **D01H 11/005** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

JP H05139621 A 19930608 - MURATA MACHINERY LTD

Cited by

CN114164538A; CN113816214A

Designated contracting state (EPC)

DE IT

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2028303 A2 20090225**; **EP 2028303 A3 20100106**; **EP 2028303 B1 20110914**; CN 101372297 A 20090225; CN 101372297 B 20120718; JP 2009046267 A 20090305; JP 4403519 B2 20100127

DOCDB simple family (application)

**EP 08012483 A 20080710**; CN 200810128254 A 20080704; JP 2007215302 A 20070821