

Title (en)

Take-up and individualization device for yarns fed from a treatment machine

Title (de)

Aufnahme- und Vereinzelvorrichtung für aus einer Bearbeitungsmaschine zugeführte Fäden

Title (fr)

Dispositif de reprise et d'individualisation de fils sortant d'une machine de traitement

Publication

EP 1547953 B1 20090513 (FR)

Application

EP 04360100 A 20041103

Priority

FR 0315278 A 20031223

Abstract (en)

[origin: EP1547953A1] The system, designed to be mounted at the output end of a yarn treatment machine, e.g. for steaming, has separate guides for the emerging yarns (3) and a traction take-up assembly with detectors (4, 4') for the presence of yarns, their speed and tension, mounted on a supporting frame (9). The guides are in the form of eyelets on arms attached to the frame in advance of the traction take-up assembly, which comprises at least one rotary cylinder (10) driven at a constant speed by a motor (11) and co-operating with a pressure roller for each yarn. The yarn presence detectors are in the form of a multi-zone sensor that detects different yarn positions.

IPC 8 full level

B65H 59/38 (2006.01); **B65H 54/20** (2006.01); **B65H 63/032** (2006.01)

CPC (source: EP)

B65H 54/20 (2013.01); **B65H 59/38** (2013.01); **B65H 59/384** (2013.01); **B65H 59/388** (2013.01); **B65H 63/0324** (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN114715720A

Designated contracting state (EPC)

ES FR IT PL PT TR

DOCDB simple family (publication)

EP 1547953 A1 20050629; **EP 1547953 B1 20090513**; CN 100519381 C 20090729; CN 1637190 A 20050713; ES 2327336 T3 20091028; FR 2864055 A1 20050624; FR 2864055 B1 20060602; PL 1547953 T3 20091030; PT 1547953 E 20090817

DOCDB simple family (application)

EP 04360100 A 20041103; CN 200410082031 A 20041217; ES 04360100 T 20041103; FR 0315278 A 20031223; PL 04360100 T 20041103; PT 04360100 T 20041103