

Title (en)
Bobbin transport system

Title (de)
Spulentransportsystem

Title (fr)
Système de transport de bobines

Publication
EP 1975289 A3 20091014 (EN)

Application
EP 08006107 A 20080328

Priority
JP 2007092538 A 20070330

Abstract (en)
[origin: EP1975289A2] A bobbin transport system composed of an automatic winder, a fine spinning frame and a transport device is provided in such that a tray equipped with a bobbin can be efficiently transported by increasing or decreasing a speed to transport bobbins (or the amount of bobbins transported per unit time) in accordance with circumstances without increasing a burden to feeding means. In the bobbin transport system composed of the automatic winder 2, the fine spinning frame 1, and the bobbin transport device 10 having the bobbin transport path 7 for connecting the automatic winder 2 and the fine spinning frame 1, the bobbin transport device 10 includes transport guide means 3 for guiding the tray T equipped with the bobbin B along the bobbin transport path 7, and the feeding means 4 having the movable member 24 for moving the tray T by reciprocating, wherein a speed to transport bobbins on the bobbin transport path 7 can be changed in accordance with a process capability of the automatic winder 2 by changing the transport amount of bobbins in the feeding means 4 (Fig. 1).

IPC 8 full level
D01H 9/18 (2006.01); **B65H 67/06** (2006.01)

CPC (source: EP)
D01H 9/18 (2013.01)

Citation (search report)
• [X] JP H09132828 A 19970520 - TOYODA AUTOMATIC LOOM WORKS
• [Y] DE 3731497 A1 19880407 - MURATA MACHINERY LTD [JP]
• [Y] US 4730450 A 19880315 - TONE SHOICHI [JP]
• [YD] JP H03110071 U 19911112
• [Y] JP S57161133 A 19821004 - HOWA MACHINERY LTD, et al
• [A] US 4660369 A 19870428 - KONISHI YUJI [JP], et al

Cited by
CN110482314A; CN111217205A; EP3305953A4; CN102275777A; CN110407030A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1975289 A2 20081001; EP 1975289 A3 20091014; JP 2008247571 A 20081016

DOCDB simple family (application)
EP 08006107 A 20080328; JP 2007092538 A 20070330