

Title (en)
Bobbin removal device

Title (de)
Vorrichtung zum Abziehen von Spulen

Title (fr)
Dispositif d'enlèvement de bobines

Publication
EP 0761587 A2 19970312 (EN)

Application
EP 96114024 A 19960902

Priority
• JP 25677195 A 19950908
• JP 24265995 A 19950921

Abstract (en)
The present invention is arranged with a removal belt 13, 113 sloping upwards in the tray transport direction, pushes this removal belt in contact with the bobbin 5, 105 on the tray 1, 101 and removes the bobbin from the tray. As a result, the bobbin can be removed by a simple structure involving only one removal belt. Furthermore, as the direction of the bobbin after removal by a single removal belt is undetermined, a guide member 19 and bobbin direction control means 118 by air or the like is arranged.

IPC 1-7
B65H 67/06; D01H 9/18

IPC 8 full level
B65H 67/06 (2006.01)

CPC (source: EP KR)
B65H 67/069 (2013.01 - EP KR); **B65H 2701/31** (2013.01 - EP KR)

Cited by
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DE FR IT

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EP 0761587 A2 19970312; **EP 0761587 A3 19980107**; CN 1152640 A 19970625; KR 100276550 B1 20010302; KR 970015818 A 19970428

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EP 96114024 A 19960902; CN 96119914 A 19960909; KR 19960033167 A 19960809