

Title (en)  
Winder

Title (de)  
Spulmaschine

Title (fr)  
Bobinoir

Publication  
**EP 0934898 A3 20020626 (DE)**

Application  
**EP 99102007 A 19990201**

Priority  
DE 19804413 A 19980205

Abstract (en)  
[origin: EP0934898A2] The cone winding machine has a supply track for the transport elements (11) running along several winding stations set in a row. A bolt (31) or similar is provided at the end of the positioning element and can be moved in and out of the transverse conveyor path (16) and is associated with the transport elements (11). This bolt restricts the pick-up capacity of the transverse conveyor path between the positioning element (18) and the discharge path (14) to taking up only one transport element. The positioning element has on the side facing the discharge path a stop for a transport element projecting into the transverse conveyor path

IPC 1-7  
**B65H 67/06**; **B65H 67/02**

IPC 8 full level  
**B65H 67/02** (2006.01); **B65H 67/06** (2006.01); **G01N 21/89** (2006.01)

CPC (source: EP US)  
**B65H 67/02** (2013.01 - EP US); **B65H 67/06** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [AD] DE 19617469 A1 19971106 - SCHLAFHORST & CO W [DE]
- [X] US 5544829 A 19960813 - BUCKEN RENE [DE], et al
- [A] US 4463909 A 19840807 - KIRIAKE MASAHARU [JP], et al
- [A] US 5255776 A 19931026 - GRECKSCH HANS [DE], et al
- [A] EP 0721909 A1 19960717 - SAVIO MACCHINE TESSILI SPA [IT]

Cited by  
CN107954271A; CN113636416A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0934898 A2 19990811**; **EP 0934898 A3 20020626**; **EP 0934898 B1 20040721**; DE 19804413 A1 19990812; DE 59909979 D1 20040826; JP 4119555 B2 20080716; JP H11263536 A 19990928; US 6089494 A 20000718

DOCDB simple family (application)  
**EP 99102007 A 19990201**; DE 19804413 A 19980205; DE 59909979 T 19990201; JP 2625699 A 19990203; US 23730399 A 19990126