

Title (en)  
Winding device

Title (de)  
Aufwickelvorrichtung

Title (fr)  
Dispositif de bobinage

Publication  
**EP 0834462 B1 20020522 (EN)**

Application  
**EP 97115964 A 19970913**

Priority  
JP 26073396 A 19961001

Abstract (en)  
[origin: EP0834462A2] A yarn winding device that is able to change the winding state applied to both the large diameter part and small diameter part of the cone package using a simple system. A winding system connected to a motor and a traverse system driven by that motor are connected via a speed change system arranged such that the traverse speed may be changed. The speed change system is able to change the speed change ratio non-gratuatedly by using non-aligned shafts which are able to control the amount of eccentricity. <IMAGE>

IPC 1-7  
**B65H 54/28**; **B65H 54/32**; **B65H 54/70**

IPC 8 full level  
**B65H 54/28** (2006.01); **B65H 54/32** (2006.01); **B65H 54/42** (2006.01)

CPC (source: EP)  
**B65H 54/2824** (2013.01); **B65H 2701/31** (2013.01)

Cited by  
EP1018479A3; CN108190625A; CN114157110A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0834462 A2 19980408**; **EP 0834462 A3 19980527**; **EP 0834462 B1 20020522**; DE 69712695 D1 20020627; DE 69712695 T2 20030130; JP H10109823 A 19980428

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