

Title (en)  
Winder

Title (de)  
Wickelmaschine

Title (fr)  
Machine à bobiner

Publication  
**EP 0887294 B1 20020904 (DE)**

Application  
**EP 98108285 A 19980507**

Priority  
DE 19727012 A 19970625

Abstract (en)  
[origin: EP0887294A1] The roll wound (17,19) onto the winding tube (15) is supported by at least two supports (5,11) formed by first (7) and second support rollers. At least one lowering mechanism (27) withdraws the roll and is swivelled on an axis parallel with the longitudinal axis of the first support roller. The second support can occupy at least two functioning positions. The second support is in the form of a load-relieving module (46) comprising at least two support rollers around which at least one continuous support belt runs.

IPC 1-7  
**B65H 18/22**

IPC 8 full level  
**B65H 18/22** (2006.01)

CPC (source: EP US)  
**B65H 18/22** (2013.01 - EP US); **B65H 2301/4148** (2013.01 - EP US); **B65H 2301/414863** (2013.01 - EP US); **B65H 2404/264** (2013.01 - EP US)

Cited by  
US7207656B2

Designated contracting state (EPC)  
DE FI FR GB IT

DOCDB simple family (publication)  
**EP 0887294 A1 19981230; EP 0887294 B1 20020904**; DE 19727012 A1 19990107; DE 59805378 D1 20021010; US 5938144 A 19990817

DOCDB simple family (application)  
**EP 98108285 A 19980507**; DE 19727012 A 19970625; DE 59805378 T 19980507; US 10480098 A 19980625