

Title (en)  
CONTACT ROLLER SYSTEM OF A WINDING MACHINE

Title (de)  
KONTAKTWALZENSYSTEM EINER WICKELMASCHINE

Title (fr)  
SYSTEME DE CYLINDRES CONTACTEURS D'UNE ENROULEUSE

Publication  
**EP 0986509 A1 20000322 (DE)**

Application  
**EP 99904824 A 19990128**

Priority  
• DE 19805412 A 19980211  
• EP 9900559 W 19990128

Abstract (en)  
[origin: DE19805412A1] Known contact roller systems of winding machines for winding running webs (1) of material such as paper or plastic films have several freely rotating roller segments (3, 3') which are mounted end to end adjacently to each other and which can move perpendicularly to their axis of rotation (11). According to the invention, each roller segment (3, 3') is held by a frame which moves perpendicularly to the axis of rotation (11). Each frame of a roller segment (3, 3') contains two side support plates (5, 5). Said support plates extend parallel to the ends of the roller segments and the adjacent support plates (5, 5') of two roller segments (3, 3') are located one above the other, perpendicular to the direction of movement. The support plates (5, 5) preferably have deep ring-shaped grooves (16) in which the end surfaces of the roller segments (3, 3') can rotate without contact. This arrangement enables each roller segment (3, 3') to be individually pressed against a winding roll (2) whilst keeping the gap between adjacent roller segments (3, 3') very small to avoid marks on the winding rolls (2).

IPC 1-7  
**B65H 18/26**; **B65H 19/22**

IPC 8 full level  
**B65H 18/26** (2006.01); **B65H 19/22** (2006.01)

CPC (source: EP US)  
**B65H 18/26** (2013.01 - EP US); **B65H 2301/414322** (2013.01 - EP US); **B65H 2301/4148** (2013.01 - EP US); **B65H 2404/1321** (2013.01 - EP US); **B65H 2404/431** (2013.01 - EP US); **B65H 2601/211** (2013.01 - EP US)

Citation (search report)  
See references of WO 9941174A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**DE 19805412 A1 19990812**; DE 59905156 D1 20030528; EP 0986509 A1 20000322; EP 0986509 B1 20030423; ES 2196768 T3 20031216; JP 2001524917 A 20011204; US 6182919 B1 20010206; WO 9941174 A1 19990819

DOCDB simple family (application)  
**DE 19805412 A 19980211**; DE 59905156 T 19990128; EP 9900559 W 19990128; EP 99904824 A 19990128; ES 99904824 T 19990128; JP 54096599 A 19990128; US 38153299 A 19990917