

Title (en)  
WINDING MACHINE FOR ROLLING UP A STRIP OF MATERIAL, ESPECIALLY A PAPER OR CARDBOARD STRIP, INTO ROLLS

Title (de)  
WICKELMASCHINE ZUM AUFWICKELN EINER MATERIALBAHN, INSBESONDERE EINER PAPIER- ODER KARTONBAHN, ZU WICKELROLLEN

Title (fr)  
ENROULEUSES SERVANT A ENROULER UNE BANDE DE MATIERE, EN PARTICULIER UNE BANDE DE PAPIER OU DE CARTON, SOUS FORME DE ROULEAUX

Publication  
**EP 1373111 A1 20040102 (DE)**

Application  
**EP 02726201 A 20020322**

Priority  
• DE 10115862 A 20010330  
• EP 0203224 W 20020322

Abstract (en)  
[origin: WO02079061A1] In order to roll up strips (7) of paper or cardboard into rolls (6), known winding machines comprise two supporting cylinders (2, 3) forming a winding bed in which the rolls (6) are situated during the rolling up process, and to which the strip (7) is supplied from below, through the gap between the two supporting cylinders (2, 3). According to the invention, an additional cylinder (8, 9) which is upwardly pivotable in the direction of the winding bed is respectively arranged externally, next to each supporting cylinder (2, 3). Each additional cylinder (8, 9) extends parallel to the supporting cylinders (2, 3) over the length thereof, and is respectively positioned at the end of the pivoting levers (10, 11) which can be pivoted about an axis parallel to the axis of the supporting cylinders, preferably about the adjacent axis of the supporting cylinders. Part of the pivoting levers (10, 11) radially projects past the respective supporting cylinder (2, 3), the length thereof being shorter than the maximum radius of a finished roll (6).

IPC 1-7  
**B65H 18/20**; **B65H 19/22**

IPC 8 full level  
**B65H 18/20** (2006.01); **B65H 19/22** (2006.01)

CPC (source: EP)  
**B65H 18/20** (2013.01); **B65H 19/2246** (2013.01); **B65H 2301/41376** (2013.01); **B65H 2301/4148** (2013.01); **B65H 2408/235** (2013.01)

Citation (search report)  
See references of WO 02079061A1

Cited by  
US8870112B2; WO2011061389A1

Designated contracting state (EPC)  
DE FI SE

DOCDB simple family (publication)  
**WO 02079061 A1 20021010**; DE 10115862 A1 20021017; DE 50209717 D1 20070426; EP 1373111 A1 20040102; EP 1373111 B1 20070314

DOCDB simple family (application)  
**EP 0203224 W 20020322**; DE 10115862 A 20010330; DE 50209717 T 20020322; EP 02726201 A 20020322