

Title (en)
LONGITUDINAL CUTTING DEVICE FOR A WINDING MACHINE

Title (de)
LÄNGSSCHNEIDVORRICHTUNG FÜR EINE WICKELMASCHINE

Title (fr)
DISPOSITIF DE COUPE LONGITUDINALE POUR ENROULEUSE

Publication
EP 1062175 B1 20020619 (DE)

Application
EP 99904878 A 19990212

Priority
• DE 19809954 A 19980307
• EP 9900928 W 19990212

Abstract (en)
[origin: DE19809954A1] Known winding machines for winding up continuous strips of material, especially plastic strips, use longitudinal cutting devices comprising a series of upper blades (1) embodied as disk-shaped circular blades, and a series of lower blades (2) embodied as circular blades. According to the invention one lower blade (2) each is arranged on both sides of an upper blade (1), the lower blades (2) are mounted in a freely rotating manner on a carrying axle (3) and the planes of rotation (4) of the two lower blades (2) assigned to an upper blade (1) are symmetrically inclined in relation to each other and form an acute angle with said plane of rotation (5) of the upper blade (1) in such a way that the cutting edges of the two lower blades (2) move towards and away from each other during one revolution. The longitudinal cutting device provided for in the invention makes it possible to cut narrow ribbons from the strip and to convey them such that the rolls can be wound on a shared winding axle with the required distance between them.

IPC 1-7
B65H 35/02; **B26D 7/26**

IPC 8 full level
B26D 1/24 (2006.01); **B26D 7/20** (2006.01); **B26D 7/26** (2006.01); **B31B 50/18** (2017.01); **B65H 35/02** (2006.01)

CPC (source: EP US)
B26D 1/245 (2013.01 - EP US); **B26D 7/20** (2013.01 - EP US); **B26D 7/2621** (2013.01 - EP US); **B65H 35/02** (2013.01 - EP US); **B26D 2007/202** (2013.01 - EP US); **B31B 50/18** (2017.07 - EP US); **Y10T 83/7813** (2015.04 - EP US); **Y10T 83/783** (2015.04 - EP US); **Y10T 83/9464** (2015.04 - EP US)

Designated contracting state (EPC)
CH DE ES FR GB GR IT LI SE

DOCDB simple family (publication)
DE 19809954 A1 19990909; DE 59901798 D1 20020725; EP 1062175 A1 20001227; EP 1062175 B1 20020619; ES 2180275 T3 20030201; US 6631663 B1 20031014; WO 9944932 A1 19990910

DOCDB simple family (application)
DE 19809954 A 19980307; DE 59901798 T 19990212; EP 9900928 W 19990212; EP 99904878 A 19990212; ES 99904878 T 19990212; US 62369100 A 20000901