

Title (en)
HOOP-CASING DEVICE

Title (de)
UMREIFUNGSGERÄT

Title (fr)
APPAREIL A ENRUBANNER

Publication
EP 0998409 A1 20000510 (DE)

Application
EP 98922565 A 19980608

Priority
• CH 9800245 W 19980608
• CH 178097 A 19970723

Abstract (en)
[origin: US6463847B1] A hoop-casing device comprising means for stretching a strip and for friction welding two overlapping ribbon parts between two welding cheeks (2,3). Each means is assigned a motor, a switch (4,5) for control by a control circuit, and a cam (6,7) to actuate said switch. Both cams (6,7) are pivotally mounted on a corresponding shaft part (10,32) around a common axis of rotation in an adjustable relative rotating position. One of the welding cheeks (2) can be orthogonally adjusted in relation to the axis of rotation (8) by means of a cam gear. The cam gear has a cam disk which can rotate along with one of the cams (6) around an axis (8) in addition to a telescopic tappet which is functionally arranged between the cam disk and the welding cheek (2). The telescopic tappet can be telescopically inserted and extended in an orthogonal position relative to the axis of rotation (8) and is spring loaded in relation to its extension. The rotational position of the cam disk relative to at least one of the cams (6) is rotationally limited with respect to the device when it rotates around the axis of rotation (8). Both shaft pieces (10,32) can be connected by means of mutual toothed wheel work.

IPC 1-7
B65B 13/32

IPC 8 full level
B65B 13/32 (2006.01)

CPC (source: EP US)
B65B 13/327 (2013.01 - EP US)

Cited by
DE102009041608A1; CN102596727A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9905025 A1 19990204; AT E215464 T1 20020415; CA 2297978 A1 19990204; DE 59803636 D1 20020508; EP 0998409 A1 20000510; EP 0998409 B1 20020403; ES 2175710 T3 20021116; US 6463847 B1 20021015

DOCDB simple family (application)
CH 9800245 W 19980608; AT 98922565 T 19980608; CA 2297978 A 19980608; DE 59803636 T 19980608; EP 98922565 A 19980608; ES 98922565 T 19980608; US 46328800 A 19980608