

Title (en)
DEVICE FOR MEASURING THE BENDING STRENGTH OF FLAT CONSIGNMENTS

Title (de)
VORRICHTUNG ZUR MESSUNG DER BIEGESTEIFIGKEIT VON FLACHEN SENDUNGEN

Title (fr)
DISPOSITIF POUR MESURER LA RESISTANCE AU PLIAGE D'ENVOIS PLATS

Publication
EP 1542811 B1 20071107 (DE)

Application
EP 03769221 A 20030926

Priority
• DE 0303220 W 20030926
• DE 10245358 A 20020927

Abstract (en)
[origin: WO2004030835A1] The device for consignments transported one after the other in a path of conveyance has bearing points (3,8,11) and a deflection device (5) that can be moved practically vertical to said bearing points in the path of conveyance for bending the consignments (4), measuring means (6) for detecting the extent of deflection of the consignments (4) and/or measuring means for detecting the size of the deflection force and a measuring device for measuring the thickness of the consignment. The extent of the deflection of the consignments (4) at a set constant deflection force or the size of the deflection force for constant and equal deflection of the deflection device (5) is used as indication of the bending strength. The deflection device (5) or the bearing points (3, 8, 11) are positioned before every measurement in such a way that their spacing vertical to the direction of transport corresponds to the thickness of the consignment.

IPC 8 full level
B07C 1/16 (2006.01)

CPC (source: EP US)
B07C 1/16 (2013.01 - EP US)

Cited by
DE102008035072A1; US8069968B2

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
WO 2004030835 A1 20040415; DE 50308558 D1 20071220; EP 1542811 A1 20050622; EP 1542811 B1 20071107; JP 2006500594 A 20060105; US 2005000299 A1 20050106; US 7096743 B2 20060829

DOCDB simple family (application)
DE 0303220 W 20030926; DE 50308558 T 20030926; EP 03769221 A 20030926; JP 2004540515 A 20030926; US 49685604 A 20040527