

Title (en)

Device and method for gripping, picking-up, transporting and joining of web-like workpieces.

Title (de)

Verfahren und Greifervorrichtung zum Aufnehmen, Transportieren und Ansetzen von flächigen Werkstücken aus textilem Material und dergleichen.

Title (fr)

Dispositif et procédé pour pincer, relever, transporter et mettre en place des pièces à travailler en rappe.

Publication

EP 0421167 B1 19941130 (DE)

Application

EP 90117629 A 19900913

Priority

DE 8911949 U 19891006

Abstract (en)

[origin: EP0421167A2] The invention is concerned with methods and gripper devices, in order to make it possible to pick up, transport and put down limp sheet-like workpieces (1) made of textile material, plastic or other materials graspable by means of needles (3). So that such workpieces (1) can be handled quickly and reliably, even under complicated conditions of space, needle grippers (2) are brought by means of a handling device (5) into a position parallel to the workpiece (1) and, after the workpiece (1) has been grasped, into another position which reduces the workpiece base area and in which the workpiece (1) assumes an approximately loop-like form, the workpiece (1) being transported and put down in this position.
<IMAGE>

IPC 1-7

B65H 3/22; B65H 5/08; B65H 5/16; B25J 15/08

IPC 8 full level

B25J 15/08 (2006.01); **B65H 3/22** (2006.01); **B65H 5/08** (2006.01); **B65H 5/16** (2006.01)

CPC (source: EP US)

B65H 3/22 (2013.01 - EP US)

Cited by

ITFR20120006A1; ITGE20080082A1; DE102017203124A1; US5951001A; WO2018153829A1; WO9626877A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0421167 A2 19910410; **EP 0421167 A3 19920212**; **EP 0421167 B1 19941130**; DE 59007842 D1 19950112; DE 8911949 U1 19910207; US 5161844 A 19921110

DOCDB simple family (application)

EP 90117629 A 19900913; DE 59007842 T 19900913; DE 8911949 U 19891006; US 58026990 A 19900907