

Title (en)  
Device for flat belt machine

Title (de)  
Einrichtung für Kammerbandmaschine

Title (fr)  
Installation pour machine à bande à chambre

Publication  
**EP 2374718 A1 20111012 (DE)**

Application  
**EP 11002355 A 20110322**

Priority  
DE 102010013889 A 20100407

Abstract (en)  
The device has a lifting mechanism (9) driven by a motorized drive (7), and coupled with another lifting mechanism (11) by a connection element (12). An adjusting cylinder is pressurized with fluid i.e. air, and is arranged at the latter lifting mechanism. The connection element is connected with a shaft (8) of the former lifting mechanism and with a shaft (10) of the latter lifting mechanism for transferring force and/or torque. A pressure medium container is connected with the adjusting cylinder by a line. The latter lifting mechanism is driven by the adjusting cylinder. An independent claim is also included for a method for moving a chamber upper part of a chamber conveyor belt machine.

Abstract (de)  
Die Erfindung bezieht sich auf Einrichtung (5) zum Bewegen eines Kammeroberteils (3) einer Kammerbandmaschine (1). Die Einrichtung besteht aus einer mehrteiligen Hubmechanik (9, 11), wobei eine erste Hubmechanik (9) mittels eines motorischen Antriebs (7) und eine zweite Hubmechanik (11) mittels eines Verstellzylinders (6) angetrieben ist und ein Verbindungselement (12) zur Kopplung beider Hubmechaniken (9, 11) vorgesehen ist.

IPC 8 full level  
**B65B 31/02** (2006.01); **B65B 65/02** (2006.01)

CPC (source: EP US)  
**B65B 31/024** (2013.01 - EP US); **B65B 31/028** (2013.01 - US); **B65B 65/00** (2013.01 - US); **B65B 65/02** (2013.01 - EP US)

Citation (applicant)  
• DE 102008015689 A1 20091001 - MULTIVAC HAGGENMUELLER GMBH [DE]  
• EP 0569937 A1 19931118 - MULTIVAC HAGGENMUELLER KG [DE]  
• US 2005178090 A1 20050818 - KOKE JOHN [SC], et al

Citation (search report)  
• [Y] EP 0569937 A1 19931118 - MULTIVAC HAGGENMUELLER KG [DE]  
• [Y] US 2005178090 A1 20050818 - KOKE JOHN [SC], et al  
• [A] EP 2110330 A1 20091021 - MULTIVAC HAGGENMUELLER GMBH [DE]

Cited by  
CN107336864A; EP2829479A1; WO2017174667A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2374718 A1 20111012**; **EP 2374718 B1 20120509**; AT E556938 T1 20120515; BR PI1101668 A2 20121030; BR PI1101668 B1 20201020; CN 102233962 A 20111109; DE 102010013889 A1 20111013; ES 2384693 T3 20120711; US 2011247303 A1 20111013; US 9032695 B2 20150519

DOCDB simple family (application)  
**EP 11002355 A 20110322**; AT 11002355 T 20110322; BR PI1101668 A 20110406; CN 201110086737 A 20110407; DE 102010013889 A 20100407; ES 11002355 T 20110322; US 201113074553 A 20110329