

Title (en)

FEEDING AND TENSIONING UNIT FOR USE IN A STRAPPING MACHINE OR WIRE BINDING MACHINE

Title (de)

ZUFÜHR- UND SPANNEINHEIT ZUR VERWENDUNG IN EINER UMREIFUNGSMASCHINE ODER DRAHTBINDEMASCHINE

Title (fr)

UNITÉ D'ALIMENTATION ET DE MISE EN TENSION DESTINÉE À ÊTRE UTILISÉE DANS UNE MACHINE DE CERCLAGE OU UNE MACHINE DE LIAISON DE FILS

Publication

EP 3398866 A1 20181107 (EN)

Application

EP 17169708 A 20170505

Priority

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Abstract (en)

Feeding and tensioning unit comprising: - a feeding wheel (14) for feeding and retracting a binding element (3), the feeding wheel being fixed to a first wheel shaft (11); - a tensioning wheel (15) for tensioning the binding element, the tensioning wheel being fixed to a second wheel shaft (12); - a reversible drive motor (13) for rotating said wheel shafts; - a first reduction gear (16) for transmitting torque from the drive motor to the first wheel shaft and a second reduction gear (17) for transmitting torque from the first wheel shaft to the second wheel shaft. The second reduction gear comprises a first gear member (17a) fixed to the first wheel shaft and a second gear member (17b) fixed to the second wheel shaft, wherein the second gear member has a larger diameter than the first gear member and is in engagement with the first gear member or operatively connected to the first gear member via an intermediate gear member (17c).

IPC 8 full level

B65B 13/18 (2006.01); **B65B 13/22** (2006.01); **B65B 65/02** (2006.01)

CPC (source: EP)

B65B 13/18 (2013.01); **B65B 13/22** (2013.01); **B65B 65/02** (2013.01)

Citation (applicant)

- US 4691498 A 19870908 - STAMM NIKOLAUS [CH]
- US 6463848 B1 20021015 - HABERSTROH JAMES A [US], et al
- US 2014083310 A1 20140327 - HOEHN JUERGEN [DE], et al
- DE 102008004118 B4 20110414 - MOSCA G MASCHF [DE]

Citation (search report)

- [A] GB 2481724 A 20120104 - LAI CHIEN-FA [TW]
- [AD] DE 102008004118 B4 20110414 - MOSCA G MASCHF [DE]
- [AD] US 4691498 A 19870908 - STAMM NIKOLAUS [CH]
- [A] US 2016001910 A1 20160107 - LUO BANGYI [CN]
- [A] US 8701555 B2 20140422 - BELL JR LEMUEL J [US]

Cited by

EP3670366A1; WO2020126202A1

Designated contracting state (EPC)

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