Title (en)

Drive unit for weaving looms with a high degree of use flexibility, provided with safety controlling device for possible critical phase displacements of the moving mechanical members and weaving process using such unit

Title (de)

Antriebseinheit für Webstühle mit hoher Verwendungsflexibilität mit Sicherheitssteuervorrichtung für möglicherweise kritische Phasenverschiebungen der mechanisch beweglichen Elemente und Webverfahren mit der Einheit

Title (fr)

Unité de commande pour métiers à tisser avec un degré élevé de souplesse d'utilisation, dotée d'un dispositif de contrôle de la sécurité pour des déplacements critiques éventuels des éléments mécaniques mobiles et procédé de tissage utilisant ladite unité

Publication

EP 2341170 B1 20121003 (EN)

Application

EP 10197114 A 20101228

Priority

IT MI20092337 A 20091230

Abstract (en)

[origin: EP2341170A1] Drive unit (1) for weaving looms, of the type comprising a first electric motor (2) driving the moving members of the loom (T) which cause the insertion and beating of the weft, a second electric motor (3) driving the weaving machine (A) which causes the opening/closing movement of the warp yarns for shed forming and an electric-axis control system to maintain the synchronisation and/or the desired degree of phase displacement between said moving members of the loom (T) and said weaving machine (A). Said first and second motor (2, 3) are mounted coaxially and are both provided with a second power takeoff, said second power takeoffs being adjacent and mutually connected through an electromagnetic connection, disengageable by energising the electromagnet.

IPC 8 full level

D03D 51/02 (2006.01)

CPC (source: EP)

D03C 1/146 (2013.01); **D03D 51/02** (2013.01)

Cited by

CN110501286A

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DOCDB simple family (publication)

EP 2341170 A1 20110706; **EP 2341170 B1 20121003**; CN 102115941 A 20110706; CN 102115941 B 20140514; HK 1159196 A1 20120727; IT 1397372 B1 20130110; IT MI20092337 A1 20110630; JP 2011137280 A 20110714

DOCDB simple family (application)

EP 10197114 A 20101228; CN 201010613085 A 20101230; HK 11113403 A 20111212; IT MI20092337 A 20091230; JP 2010292122 A 20101228