

Title (en)
INSERTION SYSTEM OF THE WEFT THREADS IN A WEAVING LOOM

Title (de)
EINFÜHRSYSTEM EINES SCHUSSFADENS IN EINE WEBMASCHINE

Title (fr)
SYSTÈME D'INSERTION DE FILS DE TRAME DANS UN MÉTIER À TISSER

Publication
EP 3037575 A3 20161130 (EN)

Application
EP 15201580 A 20151221

Priority
IT MI20142201 A 20141222

Abstract (en)
[origin: EP3037575A2] Weft thread insertion system into a projectile weaving loom, wherein the projectiles (1) are launched into the shed due to the mechanical action of a thrust member provided with alternate cyclic movement consisting of a rack (R) driven into motion by a plurality of toothed wheels (D), each one controlled by a respective electric servomotor (M), arranged in succession along the rack (R) and meshed therewith.

IPC 8 full level
D03D 49/28 (2006.01)

CPC (source: CN EP)
D03D 47/24 (2013.01 - CN); **D03D 47/275** (2013.01 - EP); **D03D 49/28** (2013.01 - CN EP)

Citation (search report)

- [AD] EP 1591573 A1 20051102 - PROMATECH SPA [IT]
- [A] EP 1749913 A1 20070207 - MEC TRINCA COLONEL SILVIO & FI [IT]
- [A] US 2072159 A 19370302 - RAYMOND DEWAS
- [A] JP S4844562 A 19730626

Cited by
EP3431644A1; IT201700080746A1

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 3037575 A2 20160629; EP 3037575 A3 20161130; EP 3037575 B1 20180425; CN 105714453 A 20160629; CN 105714453 B 20180803; HK 1225421 B 20170908; JP 2016128620 A 20160714; JP 6708405 B2 20200610; TR 201810500 T4 20180827

DOCDB simple family (application)
EP 15201580 A 20151221; CN 201511036215 A 20151222; HK 16113734 A 20161201; JP 2015248791 A 20151221; TR 201810500 T 20151221