

Title (en)

Weaving machine, yarn feeder and method for inserting a weft yarn

Title (de)

Webmaschine, Garnzufuhrvorrichtung und Verfahren zum Einsatz eines gewobenen Garns

Title (fr)

Machine à tisser, passe-fil et procédé d'insertion d'un passe-fil

Publication

EP 2058423 A1 20090513 (EN)

Application

EP 07019851 A 20071010

Priority

EP 07019851 A 20071010

Abstract (en)

A projectile-weaving machine W is equipped with a weft yarn feeder F having a stationary storage body 6 for intermediately storing a yarn store 7 consisting of windings, the weft feeder F comprising a passive hollow balloon breaker 8 functionally associated to a withdrawal rim 14 of the storage body 6. In addition to the passive balloon breaker 8, several yarn control elements 11 are separated in circumferential direction for being actively moved by a drive 10 from an outer rest position P1 into an inner operative position P2 which without totally stopping withdrawn weft yarn Y are brought into a mechanical engagement on the weft yarn upstream from the withdrawal rim 14 and starting with an end phase of an insertion on the weft yarn Y while the weft yarn Y is taken off from the yarn store 7 over the withdrawal rim 14.

IPC 8 full level

D03D 47/36 (2006.01)

CPC (source: EP US)

D03D 47/364 (2013.01 - EP US)

Citation (applicant)

- US 5769132 A 19980623 - THOLANDER LARS HELGE GOTTFRID [SE], et al
- US 5778943 A 19980714 - THOLANDER LARS HELGE GOTTFRID [SE]
- US 3411548 A 19681119 - ERWIN PFARRWALLER
- US 5343899 A 19940906 - JACOBSSON KURT A G [SE], et al

Citation (search report)

- [X] US 5343899 A 19940906 - JACOBSSON KURT A G [SE], et al
- [A] EP 1149793 A2 20011031 - LGL ELECTRONICS SPA [IT]

Designated contracting state (EPC)

BE CH IT LI TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2058423 A1 20090513; CN 101407966 A 20090415; US 2009101228 A1 20090423

DOCDB simple family (application)

EP 07019851 A 20071010; CN 200810167314 A 20081010; US 28726108 A 20081007