

Title (en)

AIR-JET WEAVING MACHINE FOR PRODUCING LENO FABRICS

Title (de)

LUFTDÜSENWEBMASCHINE ZUR HERSTELLUNG VON DREHERGEWEBEN

Title (fr)

MACHINE À TISSER À JET D'AIR POUR LA PRODUCTION DE TISSUS DE GAZE

Publication

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Application

EP 20179257 A 20200610

Priority

CZ 2019372 A 20190613

Abstract (en)

The invention relates to an air-jet weaving machine for producing leno fabrics comprising a beating-up mechanism (1) and a shedding mechanism (2), whereby the beating-up mechanism (1) comprises a weaving reed (11), mounted on a stringer (121) of a batten (12), and a batten (12) which is mounted on the frame (3) of the weaving machine by means of at least two flexible members (122) of the system of energy recuperation of the beating-up mechanism (1) arranged on two planar surfaces, between which there is a spacing in the direction of the movement of the stringer (121) of the batten (12) between its insertion position and beating-up position. The beating-up mechanism (1) is associated with an individual drive controlled in the electric cam mode and the shedding mechanism (2) is associated with an individual drive controlled in the electric cam mode, whereby the shedding mechanism (2) is associated with recuperative members (6) of the energy recuperation system of the shedding mechanism (2).

IPC 8 full level

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CPC (source: CZ EP)

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Citation (applicant)

CZ 302391 A3 19930414 - GUERCI SERGIO [IT]

Citation (search report)

- [A] EP 1675983 A1 20060705 - VYZK USTAV TEXTILNICH STROJU L [CZ]
- [A] US 2008135122 A1 20080612 - DONNER ALBRECHT [DE]
- [A] WO 9733024 A1 19970912 - PALMER RAYMOND LESLIE [GB]
- [A] DE 102005039738 A1 20070301 - SCHAEFFLER KG [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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