

Title (en)  
THREADING DEVICE FOR AIR JET LOOM

Title (de)  
EINFÄDELVORRICHTUNG FÜR DÜSENWEBMASCHINE

Title (fr)  
DISPOSITIF D'ENFILAGE POUR MÉTIER À TISSER À JET D'AIR

Publication  
**EP 3018243 B1 20190904 (EN)**

Application  
**EP 15191798 A 20151028**

Priority  
JP 2014226994 A 20141107

Abstract (en)  
[origin: EP3018243A2] Provided is a threading device (20) for an air jet loom (1) including a plurality of weft insertion nozzles (5, 7) each including a nozzle body (14) in which an insertion hole (14a) is formed and a thread guide (15) that is disposed in the insertion hole (14a) of the nozzle body (14) and in which a thread guide hole (18) extending therethrough in an axial direction is formed, each weft insertion nozzle (5, 7) performing weft insertion of a weft yarn (2), which is inserted into the thread guide hole (18) of the thread guide (15), by using a jet of compressed air that is formed when the compressed air is supplied to the insertion hole (14a) and ejected from an ejection hole at an end of the weft insertion nozzle (5, 7) through a space around the thread guide (15) in the insertion hole (14a). The air jet loom (1) performs one weft insertion by cooperation of the plurality of weft insertion nozzles (5, 7). For at least one of the plurality of weft insertion nozzles (5, 7), the weft yarn (2) is threaded into the thread guide hole (18) by using compressed air ejected toward the thread guide hole (18) of the thread guide (15) from a nozzle (9) disposed behind the at least one of the weft insertion nozzles (5, 7). The threading device (20) includes a guide unit that has a through-hole (27) and that is provided so that a center of the through-hole (27) coincides with a center of the thread guide hole (18) when viewed in the axial direction of the thread guide (15) into which the weft yarn (2) is threaded by using the compressed air, and an air discharging unit that is provided so as to be continuous with the guide unit with respect to the axial direction and in which an inner space portion that is continuous with a space in the through-hole (27) of the guide unit is formed so as to be connected to the outside. The threading device (20) is disposed so as to be continuous with a back end of the thread guide (15) with respect to the axial direction. The threading device (20) includes the guide unit in at least an end portion thereof on an opposite side to the thread guide side in the axial direction.

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