Title (en)
METHOD FOR INSERTING A WEFT THREAD

Title (de)
VERFAHREN ZUM EINTRAG EINES SCHUSSFADENS

Title (fr)
PROCÉDÉ D'INSERTION D'UN FIL DE TRAME

Publication
EP 3371359 B1 20200129 (EN)

Application
EP 16781131 A 20161013

Priority
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• EP 2016074588 W 20161013

Abstract (en)
[origin: WO2017076600A1] A method for inserting a weft thread (4, 5), comprising the steps of activating the relay blowers (12, 13, 14, 15, 16, 17, 18, 19, 20) successively, with the advancement of the weft thread (4, 5) through the shed (1), detecting an average arrival instant (TA, TA1) at which a leading end of an average weft thread (4, 5) reaches an arrival detector (25) arranged at an arrival end of the shed (1), detecting an instant (TLW) at which the last winding is unwound from the winding drum (53), determining as a reference value (DT) the time difference between an average arrival instant (TA, TA1) and an average instant (TLW) at which the last winding is unwound from the winding drum (53), determining at least one point (Pi) of an estimated trajectory (49, 49A, 49B, 49C) of the leading end of the average weft thread (4, 5) transported through the shed (1) as a function of the reference value (DT), and adapting the start of the period of time (40, 41, 42, 43, 44, 45, 46, 47, 48) for supply of compressed air to at least one of the relay blowers (12, 13, 14, 15, 16, 17, 18, 19, 20) to this estimated trajectory (49, 49A, 49B, 49C). An airjet weaving machine with a device for applying this method.

IPC 8 full level
D03D 47/30 (2006.01)

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Cited by
CN106829626A; EP3896203A1; CN113529247A

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