

Title (en)

A method of weft braking when picking the weft through a shed of a pneumatic weaving machine, device for carrying out the method and a braking jet

Title (de)

Verfahren zum Bremsen des Schussfadens beim Schusseintrag in einer pneumatischen Webmaschine, Vorrichtung zur Durchführung des Verfahrens und Bremsdüse

Title (fr)

Méthode de freinage de la trame pendant la cinsertion de la trame dans la foule sur un métier à tisser, dispositif pour exécuter la méthode et buse de freinage

Publication

EP 1314805 A3 20031210 (EN)

Application

EP 02466001 A 20021018

Priority

CZ 20013766 A 20011019

Abstract (en)

[origin: EP1314805A2] The invention relates to a method of weft (13) braking during the weft (13) picking through a shed on a pneumatic weaving machine in which the weft (13) being picked through a direct pick channel (3) of a reed (2) is exposed to a braking force (T) acting opposite the direction of the weft (13) motion. By braking force (T) acts upon at least a part of the length of the weft being picked weft (13) directly in the direct pick channel (3) and thus achieves both a reduction of the absolute value of the weft (13) deformations and a uniform distribution of the weft (13) deformations along the length of the weft (13). <??>The device for the weft (13) braking is comprising number of braking jets (9) having at least in the pick position of the reed (2) their ends fitted with pressure medium outlet apertures situated opposite the opening (30) of the direct pick channel (3) of the reed (2). The outlet apertures of the pressure medium of the braking jets (9) are in this position directed into the direct pick channel (3) opposite a wall of the direct pick channel (3), for instance opposite the bottom (4) of the direct pick channel (3), or at least partly opposite the direction of the weft (13) motion through the direct pick channel (3). <IMAGE>

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CPC (source: EP)

D03D 47/302 (2013.01); **D03D 47/3053** (2013.01); **D03D 47/3066** (2013.01)

Citation (search report)

- [X] US 4487236 A 19841211 - GUNNEMAN PAUL [NL]
- [X] EP 1143053 A1 20011010 - TSUDAKOMA IND CO LTD [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 040 (C - 1155) 21 January 1994 (1994-01-21)

Cited by

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EP 1314805 A2 20030528; **EP 1314805 A3 20031210**; **EP 1314805 B1 20070523**; CZ 20013766 A3 20030618; CZ 298377 B6 20070912; DE 60220236 D1 20070705; DE 60220236 T2 20080117

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