

Title (en)
PNEUMATIC SELVEDGE-FORMING UNIT FOR LOOMS

Publication
EP 0351361 B1 19920415 (DE)

Application
EP 89810488 A 19890627

Priority
CH 270688 A 19880714

Abstract (en)
[origin: EP0351361A1] The selvedge-forming unit possesses a forming needle (18) which, at least in the end portion (20) which can be introduced into the shed (5) and which has a cross-section determined by two broad sides (29, 30) and by a longitudinal side facing the reed and a longitudinal side facing the fabric, contains an elongate yarn inlet orifice (21), the longer dimension of which is in the direction of the longitudinal extension of the end portion (20). Furthermore, the end portion (20) is designed with an end face (24) leading in the direction of introduction (arrow 8) into the shed (5) and forming with the longitudinal side facing the reed a tip pointing away from the shed tip (5'). The forming needle (18) can thereby execute its particular movements pivoting out of the shed (5) very close to the shed tip (5'), so that the weft yarn end (7) is introduced correspondingly closely to the shed tip (5'). As a result of the elongate shape (22) of the yarn inlet orifice (21), the length of the portion (36) of the weft yarn end (7) spanning the needle eye (21) in the position (18') of the forming needle (18) pivoted into the shed (5) is relatively large, so that the weft yarn end (7) can easily bend and can consequently be threaded into the yarn inlet orifice (21) with a low blowing pressure of a threading-in nozzle (34). <IMAGE>

IPC 1-7
D03D 47/48

IPC 8 full level
D03D 47/48 (2006.01)

CPC (source: EP US)
D03D 47/48 (2013.01 - EP US)

Cited by
EP0431484A1; IT201900000631A1; EP0483067A1; EP0562213A1; US5316050A; EP0898001A3; WO2022008960A1

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