

Title (en)

Method for sewing groups of stitching patterns in a zigzag sewing machine.

Title (de)

Verfahren zum nähen von Stichmustergruppen auf einer Zick-Zack-Nähmaschine.

Title (fr)

Procédé pour coudre des groupes de motifs de points de couture sur une machine à coudre zigzag.

Publication

EP 0496178 A1 19920729 (DE)

Application

EP 91810913 A 19911125

Priority

CH 20291 A 19910124

Abstract (en)

[origin: US5111758A] A row of at least two coherent cruciform elementary patterns of stitches is formed in a zig-zag sewing machine by first making a first series of at least two zig-zag stitches and by thereupon making a second series of at least two zig-zag stitches which are mirror images of the stitches of the first series and each of which crosses a different stitch of the first series of stitches. The needle is caused to penetrate into the work in the middle of the first or last stitch of the first series of stitches prior to making the second series of stitches. Each stitch of the first and second series of stitches includes at least one uninterrupted length of thread. Only one crossing point of the stitches which form the first and second series is located at a needle perforation point. The first row of at least two cruciform elementary patterns can be followed by any desired number of additional rows in any desired orientation to form ornamental or other arrays of rows of cruciform patterns.

Abstract (de)

Die Stichmustergruppen bestehend aus mindestens zwei Kreuzstichmustern werden durch Nähen von zwei sich jeweils in der Mitte der Fadenabschnitte kreuzenden Zick-Zack-Nähten erzeugt. Die Stichmustergruppen mit zwei oder mehr Kreuzstichmustern bestehen aus über die ganze Diagonalstrecke verlaufenden Fäden. Jede Stichmustergruppe weist einen einzigen Einstich im Kreuzungspunkt der Fadenabschnitte auf, um die beiden übereinanderliegenden Zick-Zack-Nähte miteinander verbinden zu können. Mehrere Stichmustergruppen können endlos zu Mustergruppen-Kombinationen beliebiger Gestalt miteinander verkettet werden. <IMAGE>

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CPC (source: EP US)

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Citation (search report)

- FR 2405321 A1 19790504 - YASKAWA DENKI SEISAKUSHO KK [JP]
- US 4466370 A 19840821 - EGUCHI YASUKATA [JP], et al
- DE 3234864 A1 19840322 - DORINA NAEHMASCH [DE]
- DE 3235078 A1 19840322 - DORINA NAEHMASCH [DE]
- US 4428311 A 19840131 - SANO YASURO [JP]
- DE 2943404 A1 19800508 - JANOME SEWING MACHINE CO LTD

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