

Title (en)

A METHOD FOR PROVIDING VISUAL EFFECTS TO A DECORATIVE PATTERN, A CONTROL UNIT AND A SYSTEM FOR IN-LINE TREATMENT OF THREAD

Title (de)

VERFAHREN ZUR BEREITSTELLUNG VON VISUELLEN EFFEKTEN FÜR EIN DEKORATIVES MUSTER, STEUERUNGSEINHEIT UND SYSTEM ZUR IN-LINE-BEHANDLUNG VON GARN

Title (fr)

PROCÉDÉ POUR CONFÉRER DES EFFETS VISUELS À UN MOTIF DÉCORATIF, UNITÉ DE COMMANDE ET SYSTÈME DE TRAITEMENT EN LIGNE DE FIL

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020055297A1] A method for providing visual effects to a decorative thread pattern, is provided. The method comprises i) determining an object to be produced as such decorative thread pattern, ii) determining a thread arrangement comprising a plurality of consecutive thread portions, each thread portion having a thread portion direction, wherein the entire thread arrangement corresponds to said object to be produced, iii) determining at least one visual effect of said object to be produced, said visual effect being associated with a set of thread portions of said thread arrangement and having a direction being different from at least one thread portion direction of the set of thread portions, and iv) determining a colouring scheme for a specific thread such that the visual effect is obtained when production of the decorative thread pattern, using said thread according to said thread arrangement, is performed. A control unit is also provided.

IPC 8 full level

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Citation (search report)

- [X] US 2007245940 A1 20071025 - WAHLSTROM ROLF [SE]
- [XYI] ANONYMOUS: "The end of pre-coloured threads? - Images magazine", 28 April 2017 (2017-04-28), XP055913569, Retrieved from the Internet <URL:https://www.images-magazine.com/the-end-of-pre-coloured-threads/> [retrieved on 20220419]
- [XYI] ANONYMOUS: "One thread, unlimited colours - Printwear & Promotion", 2 July 2018 (2018-07-02), XP055913578, Retrieved from the Internet <URL:https://www.printwearandpromotion.co.uk/one-thread-unlimited-colours/> [retrieved on 20220419]
- [Y] COLOREEL: "The Revolutionary thread colouring technology Coloreel", 1 February 2017 (2017-02-01), XP055913574, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=1vkRRpJXrCc> [retrieved on 20220419]
- See also references of WO 2020055297A1

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