

Title (en)

LASER FINISHING METHOD FOR PROVIDING A FINISHING PATTERN ON A FABRIC

Title (de)

LASERENDBEARBEITUNGSVERFAHREN ZUR BEREITSTELLUNG EINES ENDBEARBEITUNGSMUSTERS AUF EINEM GEWEBE

Title (fr)

PROCÉDÉ DE FINITION LASER POUR FOURNIR UN MOTIF DE FINITION SUR UN TISSU

Publication

**EP 3754101 A1 20201223 (EN)**

Application

**EP 19181296 A 20190619**

Priority

EP 19181296 A 20190619

Abstract (en)

It is disclosed a method for providing a finishing pattern (3) on a fabric (20) by a laser apparatus (1) comprising at least one laser source (10) generating an output laser beam (11) and moving means (12) for said laser beam and a control unit (200), the fabric (20) being suitable to be used for assembling an article, preferably a clothing article (20a), the method comprising the steps of providing at least one predetermined finishing pattern (3, 3', 3'', 3''') to be scribed on said fabric (20); the step of providing an input model (2, 2') of at least one portion of the article (20a) to be scribed with said predetermined finishing pattern (3), said model (2) comprising at least one portion or surface (2b - 2i) corresponding to a portion or surface (20b - 20i) of the article (20a) to be scribed; the step of combining said predetermined finishing pattern (3, 3', 3'', 3''') to be scribed on said fabric (20) and said input model (2, 2') of the article (2b - 2i) to be scribed, in an output model (5, 5') of at least one scribed portion of said article (20a), said output model comprising at least one scribed portion or surface (5b - 5i) corresponding to a portion (20b - 20i) of the article (20a) scribed with the predetermined finishing pattern (3, 3', 3'', 3'''); the step of providing command instructions (100) for operating said laser apparatus (1) for scribing said predetermined finishing pattern (3, 3', 3'', 3''') on said fabric (20) according to said output model (5, 5') and operating said laser source (10) and said moving means (12) for generating said output laser beam (11) for scribing lines and/or dots (13) forming the predetermined finishing pattern (3, 3', 3'', 3''') on said fabric (20) according to said command instructions (100).

IPC 8 full level

**D06B 11/00** (2006.01); **D06M 10/00** (2006.01); **D06M 23/16** (2006.01); **D06P 5/13** (2006.01); **D06P 5/15** (2006.01); **D06P 5/20** (2006.01); **D06Q 1/02** (2006.01)

CPC (source: EP)

**D06B 11/0096** (2013.01); **D06M 10/005** (2013.01); **D06M 23/16** (2013.01); **D06P 5/13** (2013.01); **D06P 5/15** (2013.01); **D06P 5/2005** (2013.01); **D06Q 1/02** (2013.01)

Citation (search report)

- [XY] WO 2016033367 A1 20160303 - REVOLAZE LLC [US]
- [XI] US 2015079359 A1 20150319 - COSTIN JR DARRYL J [US]
- [XY] US 6819972 B1 20041116 - MARTIN CLARENCE H [US], et al
- [X] US 2019129605 A1 20190502 - SCHULTZ JENNIFER [US], et al
- [Y] WO 2015171363 A1 20151112 - NORTH FACE APPAREL CORP [US]

Cited by

CN114045664A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3754101 A1 20201223**

DOCDB simple family (application)

**EP 19181296 A 20190619**