

Title (en)
Machine for automatically trimming fabrics

Title (de)
Maschine zum automatischen Beschneiden von Gewebe

Title (fr)
Machine automatique de découpe de tissus

Publication
EP 2787119 A1 20141008 (EN)

Application
EP 14161889 A 20140327

Priority
IT MI20130510 A 20130405

Abstract (en)
A machine for trimming a fabric is described of the type provided with at least one edge or selvage having a ragged outline and provided with a plurality of protruding fringes. The machine comprises a supporting structure that is configured so as to support and make the fabric advance in continuous towards one or more cutting devices each arranged at a single edge of the fabric. Each cutting device is provided with at least one cutting means, configured so as to carry out in continuous the cutting of the protruding fringes, and is mounted on at least one linear guide, operatively connected to the supporting structure, in order to move with a rectilinear movement along a direction that is substantially perpendicular to the advancing direction of the fabric. Each cutting device is provided with at least one optoelectronic device for acquiring information pertaining to the width of the protruding fringes and to their position with respect to a predefined reference system. The optoelectronic device is operatively connected to a computer that is capable of moving the cutting device along the respective linear guide in order for the respective cutting means to carry out the cutting of the protruding fringes following a predefined trimming line. The optoelectronic device is a camera operating with CCD or CMOS technology that is configured so as to detect and convert the width of the protruding fringes of the edge into digital information. The computer is provided with a screen on which it is possible, in each instant, to verify the correct positioning of the trimming line so that it is possible to, automatically or manually, carry out possible corrections of the trimming line through the repositioning of the respective cutting device along its linear guide.

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D06H 7/06 (2006.01)

CPC (source: EP)
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• JP H06128875 A 19940510 - KANEBO LTD
• JP H09119044 A 19970506 - JIETSUTO GIKEN KK
• JP S5959973 A 19840405 - NISSAN MOTOR

Citation (search report)
• [A] JP H06128875 A 19940510 - KANEBO LTD
• [A] JP H09119044 A 19970506 - JIETSUTO GIKEN KK
• [A] JP S5959973 A 19840405 - NISSAN MOTOR

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