

Title (en)

Device and method for cutting textile and non-textile measured material

Title (de)

Vorrichtung und Verfahren zum Schneiden von textilen und nicht-textilen Flächengebilden

Title (fr)

Dispositif et procédé de découpage de structures plates textiles et non textiles

Publication

EP 2172585 A1 20100407 (DE)

Application

EP 09405144 A 20090828

Priority

- CH 14112008 A 20080904
- CH 14122008 A 20080904

Abstract (en)

The device has a turning device (9) with a cylindrical pin mounted on a needle bar (5) of a sewing machine, where the pin is set into oscillating vertical motion by the needle bar. A cutting needle holder is supported on the pin, so that the needle holder rotates about a rotational axis. A cutting needle (23) is secured in the cutting needle holder. A supporting washer is formed on the pin for specifying axial position of the needle holder, and alignment elements are formed on the washer. The needle holder is moved and lockable at predetermined rotational angle positions. An independent claim is also included for a method for cutting a textile or non-textile sheet material along a specified cutting line.

Abstract (de)

Die Vorrichtung zum Schneiden von textilen und nichttextilen Flächengebilden mit einer Nähmaschine umfasst eine Drehvorrichtung (9), welche am unteren Ende der Nadelstange (5) befestigt werden kann. Eine Schneidnadel (23) wird von unten in die Drehvorrichtung (9) anstelle einer Nadel eingesetzt und kann beispielsweise durch einen Flügel (17), der von der Drehvorrichtung (9) absteht, in die gewünschte Schneidposition gebracht werden.

IPC 8 full level

D05B 37/04 (2006.01); **D05C 7/04** (2006.01)

CPC (source: EP US)

D05B 37/04 (2013.01 - EP US); **D05C 7/04** (2013.01 - EP US)

Citation (applicant)

WO 9824962 A1 19980611 - CONFEZIONE VENERE DI CIAPPAREL [IT], et al

Citation (search report)

- [AP] US 2009107373 A1 20090430 - NIIZEKI TOMOYASU [JP]
- [A] JP H07204375 A 19950808 - TAKAHASHI TOKUO
- [A] JP H0681263 A 19940322 - BROTHER IND LTD
- [A] FR 2573448 A1 19860523 - SAURER AG ADOLPH [CH]
- [AD] WO 9824962 A1 19980611 - CONFEZIONE VENERE DI CIAPPAREL [IT], et al

Cited by

EP2662483A1; US9038553B2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

US 2010050915 A1 20100304; US 8272341 B2 20120925; AT E503877 T1 20110415; DE 502009000498 D1 20110512; EP 2172585 A1 20100407; EP 2172585 B1 20110330

DOCDB simple family (application)

US 55406109 A 20090904; AT 09405144 T 20090828; DE 502009000498 T 20090828; EP 09405144 A 20090828