

Title (en)

PROCESS FOR MANUFACTURING AN AUTOMATIC CLASP FOR WRISTWATCH STRAP

Title (de)

VERFAHREN ZUR HERSTELLUNG EINEM AUTOMATISCHEN VERSCHLUSS FÜR EIN UHRARMBAND

Title (fr)

PROCEDE DE FABRICATION D'UN FERMOIR AUTOMATIQUE POUR BRACELET-MONTRE

Publication

EP 1531696 B1 20100303 (FR)

Application

EP 03750804 A 20030711

Priority

- FR 0302208 W 20030711
- FR 0208750 A 20020711

Abstract (en)

[origin: US2007028586A1] A clasp and a production method thereof. The inventive clasp includes at least one main element (1) and at least one element (3) which pivots in relation to the main element. The clasp is characterised in that each of the aforementioned elements (1, 3) includes two longitudinal arms which are rolled up to form a hinge (7, 15). Moreover, at least one of the ends of one of the elements (1, 3) includes a flexion spring (11) which can rest against the other element (3, 1) for the elastic support thereof and each arm (5, 13) of the main element (1) and the pivoting element (3) is provided with at least one longitudinal stiffening rib (20, 22).

IPC 8 full level

A44C 5/10 (2006.01); **A44C 5/24** (2006.01); **A44C 27/00** (2006.01)

CPC (source: EP US)

A44C 5/243 (2013.01 - EP US); **A44C 27/00** (2013.01 - EP US); **B21D 28/02** (2013.01 - EP US); **B21D 53/44** (2013.01 - EP US); **Y10T 24/4782** (2015.01 - EP US); **Y10T 29/49579** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007028586 A1 20070208; US 7337541 B2 20080304; AT E459261 T1 20100315; AU 2003269021 A1 20040202; CN 1668222 A 20050914; CN 1668222 B 20110907; DE 60331551 D1 20100415; EP 1531696 A1 20050525; EP 1531696 B1 20100303; FR 2842081 A1 20040116; FR 2842081 B1 20040827; JP 2005532133 A 20051027; JP 4356893 B2 20091104; WO 2004006710 A1 20040122

DOCDB simple family (application)

US 52084405 A 20050822; AT 03750804 T 20030711; AU 2003269021 A 20030711; CN 03816453 A 20030711; DE 60331551 T 20030711; EP 03750804 A 20030711; FR 0208750 A 20020711; FR 0302208 W 20030711; JP 2004520778 A 20030711