

Title (en)

METHOD AND EQUIPMENT FOR MAKING JEWELLERY PRODUCTS, IN PARTICULAR TENNIS-TYPE BRACELETS

Title (de)

VERFAHREN UND AUSRÜSTUNG ZUR HERSTELLUNG VON SCHMUCKPRODUKTEN, INSBESONDERE VON RIVIERE-ARMBÄNDERN

Title (fr)

PROCÉDÉ ET ÉQUIPEMENT DESTINÉS À LA FABRICATION DE PRODUITS DE BIJOUTERIE, EN PARTICULIER DE BRACELETS DE TENNIS

Publication

**EP 3860387 A1 20210811 (EN)**

Application

**EP 19790284 A 20190926**

Priority

- IT 201800009177 A 20181004
- IB 2019058154 W 20190926

Abstract (en)

[origin: WO2020070591A1] Products like tennis bracelets are obtained by coupling together a plurality of collet elements (2) according to a repetitive series, wherein an L-shaped lateral appendage (3) of a collet element is inserted into a through hole (6) of an immediately adjacent collet element and then bent against a face (7) of the collet element to which it belongs; the collet elements are inserted according to said repetitive series into an assembly template (10) implemented as a self-supporting unit provided with fastening means (16) for fastening it to first and second carriage supports (22,36) of first and second machines (18,19), which cause the assembly template to translate under a die block (26) of a press device (24) of the first machine, bending in succession the lateral appendages (3) of the collet elements, and under a laser welding head (38) of the second machine, for welding the appendages (3) to their respective collet elements.

IPC 8 full level

**A44C 5/08** (2006.01); **A44C 5/10** (2006.01); **A44C 11/00** (2006.01); **A44C 27/00** (2006.01); **B21L 11/00** (2006.01)

CPC (source: EP US)

**A44C 5/102** (2013.01 - EP US); **A44C 11/007** (2013.01 - EP US); **A44C 27/00** (2013.01 - EP US); **B21L 3/02** (2013.01 - US); **B21L 11/005** (2013.01 - EP US); **B21L 11/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2020070591A1

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)

**WO 2020070591 A1 20200409**; EP 3860387 A1 20210811; EP 3860387 B1 20221102; ES 2934487 T3 20230222; HU E060960 T2 20230428; US 2021345738 A1 20211111

DOCDB simple family (application)

**IB 2019058154 W 20190926**; EP 19790284 A 20190926; ES 19790284 T 20190926; HU E19790284 A 20190926; US 201917282653 A 20190926