

Title (en)

AUTOMATED MACHINE FOR PRODUCING ORNAMENTAL CHAINS AND PROCESS FOR PRODUCING ORNAMENTAL CHAINS

Title (de)

AUTOMATISCHE MASCHINE ZUR HERSTELLUNG VON ZIERKETTEN UND VERFAHREN ZUR HERSTELLUNG VON ZIERKETTEN

Title (fr)

MACHINE AUTOMATIQUE ET PROCÉDÉ DE PRODUCTION DE CHÂÎNES ORNEMENTALES

Publication

EP 3722020 A1 20201014 (EN)

Application

EP 20169976 A 20200416

Priority

IT 201900005420 A 20190409

Abstract (en)

The present invention regards an automated machine employed in the field of production of jewelry articles for making ornamental chains of different varieties. The machine comprises a first rotatable support base (10) provided with first operating heads (100) adapted to produce different meshes for ornamental chains, and a second rotatable support base (20) provided with second operating heads (200) provided with grippers adapted to cooperate with the first operating heads (100) for moving the meshes of the chains. In addition, the machine comprises a control unit which, by means of movement means (11, 21), drives the support bases (10, 20) to rotate in order to bring a selected first operating head (100) and a selected second operating head (200) to a work station (50) in order to be able to change the type of meshes of the chain, allowing the production, in a simple and inexpensive manner, of multiple different models of ornamental chains.

IPC 8 full level

B21L 7/00 (2006.01); **A44C 27/00** (2006.01); **B21L 11/00** (2006.01)

CPC (source: CN EP)

A44C 11/00 (2013.01 - CN); **A44C 27/00** (2013.01 - CN); **B21L 1/02** (2013.01 - CN); **B21L 7/00** (2013.01 - EP); **B21L 11/005** (2013.01 - EP)

Citation (applicant)

- DE 3803498 A1 19880818 - CMS CONST MECC SPEC [IT]
- EP 0408520 A2 19910116 - ICM ITALIANA COST METALMECC [IT]

Citation (search report)

- [AD] DE 3803498 A1 19880818 - CMS CONST MECC SPEC [IT]
- [A] WO 2015047390 A1 20150402 - BODHI TECHNOLOGY VENTURES LLC [US]
- [AD] EP 0408520 A2 19910116 - ICM ITALIANA COST METALMECC [IT]

Cited by

IT202200005264A1; CN112273818A; EP4129526A1; EP4279199A1; IT202200010157A1

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 3722020 A1 20201014; **EP 3722020 B1 20220302**; CN 111790880 A 20201020; ES 2914712 T3 20220615; IT 201900005420 A1 20201009

DOCDB simple family (application)

EP 20169976 A 20200416; CN 202010272955 A 20200409; ES 20169976 T 20200416; IT 201900005420 A 20190409