

Title (en)

METHOD FOR MANUFACTURING FASTENER ELEMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BEFESTIGUNGSELEMENTS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT DE FIXATION

Publication

EP 3711876 A4 20210714 (EN)

Application

EP 17931747 A 20171113

Priority

JP 2017040807 W 20171113

Abstract (en)

[origin: EP3711876A1] Provided is a manufacturing method of manufacturing a fastener element (10) having right and left thin fin portions (24) by performing punching processing to a long metallic flat plate member (5), the method including performing at least two steps of punching processing and performing one step of the punching processing along right and left outer side surfaces of a coupling head portion (11) and right and left outer side surfaces of a tape holding portion (21) to be formed. Thereby, it is possible that an element punch (40, 40a, 50) used for the punching processing is less likely to be damaged. It is also possible to prevent burrs or steps from being formed at a boundary part between the coupling head portion (11) and the tape holding portion (21). Further, it becomes possible to manufacture the fastener element (10) having thinner fin portions (24).

IPC 8 full level

B21D 53/52 (2006.01); **B21D 28/00** (2006.01)

CPC (source: EP)

A44B 19/42 (2013.01); **B21D 22/02** (2013.01); **B21D 28/16** (2013.01); **B21D 53/52** (2013.01)

Citation (search report)

- [X] US 1947956 A 19340220 - GIDEON SUNDBACK
- [XA] EP 2394525 A1 20111214 - YKK CORP [JP]
- [AD] EP 1568422 A1 20050831 - YKK CORP [JP]
- See also references of WO 2019092888A1

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

DOCDB simple family (publication)

EP 3711876 A1 20200923; **EP 3711876 A4 20210714**; CN 111278584 A 20200612; CN 111278584 B 20211130; WO 2019092888 A1 20190516

DOCDB simple family (application)

EP 17931747 A 20171113; CN 201780096421 A 20171113; JP 2017040807 W 20171113