

Title (en)
Folding device

Title (de)
Falzeinrichtung

Title (fr)
Dispositif de pliage

Publication
EP 2283945 A3 20110810 (DE)

Application
EP 10171410 A 20100730

Priority
DE 202009005111 U 20090805

Abstract (en)
[origin: EP2283945A2] The device (1) has a folding tool (2) comprising a base carrier (3) and a tool head (4). The folding tool is driven by an electrical motor and comprises controllable rotary driven cylindrical and conical folding rollers and free rotatable counter rollers. The folding rollers and the counter rollers are arranged at the tool head, which is designed as a replaceable head module. The base carrier has multiple connectors for providing medium and/or energy for the tool head. The folding rollers are arranged on driving axes in a movable manner.

IPC 8 full level
B21D 39/02 (2006.01); **B21D 53/88** (2006.01)

CPC (source: EP)
B21D 39/021 (2013.01); **B21D 53/88** (2013.01)

Citation (search report)

- [XYI] GB 2439693 A 20080102 - HONDA MOTOR CO LTD [JP]
- [XAI] WO 03024641 A1 20030327 - EDAG ENG & DESIGN AG [DE], et al
- [XAI] WO 03018227 A1 20030306 - AUDI AG [DE], et al
- [YA] DE 202007007838 U1 20070913 - EDAG ENG & DESIGN AG [DE]
- [YA] GB 2441712 A 20080312 - HONDA MOTOR CO LTD [JP]
- [YA] EP 1685915 A1 20060802 - EDAG ENG & DESIGN AG [DE]

Cited by
DE202015102477U1; CN114733943A; DE102015119589B4

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
DE 202009005111 U1 20101230; EP 2283945 A2 20110216; EP 2283945 A3 20110810; EP 2283945 B1 20131030; ES 2442894 T3 20140214

DOCDB simple family (application)
DE 202009005111 U 20090805; EP 10171410 A 20100730; ES 10171410 T 20100730