

Title (en)
TOOL MODULE FOR TEXTILE MACHINES

Title (de)
WERKZEUGMODUL FÜR TEXTILMASCHINEN

Title (fr)
MODULE D'OUTILS POUR MACHINES TEXTILES

Publication
EP 3655579 A1 20200527 (DE)

Application
EP 18740844 A 20180716

Priority
• DE 102017116043 A 20170717
• EP 2018069266 W 20180716

Abstract (en)
[origin: WO2019016134A1] The invention relates to a tool module (10) having a module body (11), which has a contact surface (21) and an orienting structure (22). A fastening opening (29) and additionally at least one, preferably a plurality of additional openings (33, 34) extend through the contact surface (21). The area of one additional opening (33) or (34) is larger than, preferably considerably larger than, for example at least twice or three times as large as the cross-sectional area of the fastening opening (29). Thus, a module body (11) is provided, by means of which an increased operating speed of the textile machine can be achieved.

IPC 8 full level
D05C 15/20 (2006.01)

CPC (source: EP US)
D04B 27/06 (2013.01 - US); **D05C 15/10** (2013.01 - US); **D05C 15/20** (2013.01 - EP US); **D04B 27/06** (2013.01 - EP)

Citation (search report)
See references of WO 2019016134A1

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)
DE 102017116043 A1 20190117; CN 111247282 A 20200605; EP 3655579 A1 20200527; EP 3655579 B1 20210623;
US 10738400 B2 20200811; US 2020173084 A1 20200604; WO 2019016134 A1 20190124

DOCDB simple family (application)
DE 102017116043 A 20170717; CN 201880047562 A 20180716; EP 18740844 A 20180716; EP 2018069266 W 20180716;
US 201816631512 A 20180716