

Title (en)
INSTALLATION AID

Title (de)
MONTIERHILFE

Title (fr)
AIDE AU MONTAGE

Publication
EP 3554762 A1 20191023 (DE)

Application
EP 17832919 A 20171208

Priority
• DE 102016014746 A 20161213
• EP 2017082037 W 20171208

Abstract (en)
[origin: WO2018108738A1] The invention relates to an installation aid for installing a circlip or an anti-creep ring, in which a first finger (2) and a second finger (3) are arranged adjacently to one another and the first end of said first finger can be brought, against a force, from a position that is at a distance from the first end of the second finger into a position that is closer to the first end of said second finger; the first end of the first finger and the first end of the second finger forming a receiving portion for a ring; and a slider (6) being provided which makes contact with the first finger and can be slid from a position that is at a distance from the first end of the first finger into a position that is closer to the first end of the first finger, thus bringing the first end of the first finger, against a force, from the position that is at a distance from the first end of the second finger into the position that is closer to the first end of the second finger.

IPC 8 full level
B25B 27/20 (2006.01); **B23P 19/08** (2006.01); **B25B 27/28** (2006.01); **F16B 5/02** (2006.01)

CPC (source: CN EP US)
B23P 19/084 (2013.01 - EP); **B25B 27/0028** (2013.01 - EP); **B25B 27/20** (2013.01 - EP US); **B25B 27/28** (2013.01 - EP US);
B25B 29/00 (2013.01 - CN)

Citation (examination)
DE 3406144 C1 19850912 - DEERE & CO

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 102016014746 A1 20180614; **DE 102016014746 B4 20240508**; CN 108608374 A 20181002; CN 108608374 B 20220211;
CN 208068189 U 20181109; EP 3554762 A1 20191023; US 2019381642 A1 20191219; WO 2018108738 A1 20180621

DOCDB simple family (application)
DE 102016014746 A 20161213; CN 201711332634 A 20171213; CN 201721742231 U 20171213; EP 17832919 A 20171208;
EP 2017082037 W 20171208; US 201716468178 A 20171208