

Title (en)
TERMINAL CLAMP WITH SCREW LOCK

Title (de)
ANSCHLUSSKLEMME MIT SCHRAUBVERSCHLUSS

Title (fr)
PINCE DE TERMINAL À VERROUILLAGE DE VIS

Publication
EP 3671961 A1 20200624 (EN)

Application
EP 18213297 A 20181218

Priority
EP 18213297 A 20181218

Abstract (en)
A terminal clamp for an electricity meter optimized for a automatized production procedure. The terminal clamp comprising a clamp body comprising a cavity arranged for receiving electrical conductors to be connected and a threaded screw arranged in a matching threaded hole in the clamp body. The screw is arranged to clamp electrical conductors inside the cavity of the clamp body when the screw is screwed into the threaded hole and extends into the clamp cavity. The terminal clamp further comprises a screw locking element, which is arranged to surround the screw in a longitudinal direction and is mechanically fixated relative to the clamp body whereby rotational movement around a longitudinal centre-axis of the screw is prevented. The screw locking element pinches the screw, with the effect of limiting rotational movement of the screw caused by vibrations during the production process.

IPC 8 full level
H01R 4/30 (2006.01); **H01R 4/36** (2006.01)

CPC (source: EP)
H01R 4/302 (2013.01); **H01R 4/36** (2013.01)

Citation (search report)
• [X] DE 202008012128 U1 20090416 - PHOENIX CONTACT GMBH & CO [DE]
• [X] CH 511522 A 19710815 - ALFRED GROSSAUER ELEKTROTECHNIK [CH]
• [A] WO 2009068216 A1 20090604 - PHOENIX CONTACT GMBH & CO [DE], et al
• [A] EP 3051633 A1 20160803 - MORSETTITALIA SPA [IT]

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

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