

Title (en)
FASTENER STRINGER, SLIDE FASTENER, AND STAKING MACHINE

Title (de)
VERSCHLUSSLEISTE, REISSVERSCHLUSS UND STOLLMASCHINE

Title (fr)
LISSE D'ATTACHE, ATTACHE COULISSANTE, ET MACHINE À PALISSONNER

Publication
EP 3332664 A4 20190417 (EN)

Application
EP 15900417 A 20150805

Priority
JP 2015072264 W 20150805

Abstract (en)
[origin: EP3332664A1] A fastener stringer (50) includes a fastener tape (10) in which a tape side-edge portion (15) is provided with a core thread (16); a fastener element (20) secured to the tape side-edge portion (15); and a metal stop (30, 30s) secured to the core thread (16) of the tape side-edge portion (15) at an adjacent position to the fastener element (20). The stop (30, 30s) may be provided with a first outer surface (31) and a second outer surface (32) facing in opposite directions and sandwiching the core thread (16) of the tape side-edge portion (15). A first end portion (38e) of the stop (30, 30s) in a direction along the core thread (16) may be provided with a first slant surface (41) extending along the core thread (16) to reach to a rim of the first outer surface (31) while being gradually closer to the core thread (16) and a second slant surface (42) extending along the core thread (16) to reach to a rim of the second outer surface (32) while being gradually closer to the core thread (16). A thickness (TH38) of the first end portion (38e) of the stop (30, 30s) being provided with the first slant surface (41) and the second slant surface (42) is less than a thickness (TH39) of a portion of the stop (30, 30s) other than said first end portion (38e).

IPC 8 full level
A44B 19/36 (2006.01); **A44B 19/60** (2006.01)

CPC (source: EP)
A44B 19/36 (2013.01); **A44B 19/42** (2013.01); **A44B 19/60** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2017022106A1

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 3332664 A1 20180613; **EP 3332664 A4 20190417**; **EP 3332664 B1 20201007**; CN 107847017 A 20180327; CN 107847017 B 20200811; JP 6484717 B2 20190313; JP WO2017022106 A1 20180215; TW 201707601 A 20170301; TW I587809 B 20170621; WO 2017022106 A1 20170209

DOCDB simple family (application)
EP 15900417 A 20150805; CN 201580082165 A 20150805; JP 2015072264 W 20150805; JP 2017532324 A 20150805; TW 105125048 A 20160805