

Title (en)  
SPRING PIN CONNECTOR

Title (de)  
FEDERSTIFTSTECKER

Title (fr)  
CONNECTEUR DE TIGE À RESSORT

Publication  
**EP 3627630 A1 20200325 (EN)**

Application  
**EP 18196333 A 20180924**

Priority  
EP 18196333 A 20180924

Abstract (en)  
Spring pin connector, comprising:- a female housing (10 ; 10') comprising a hole (12 ; 12') defining an axial direction (XX'),- a pin (20), provided moveable in the hole (12 ; 12') of the female housing (10 ; 10') along the axial direction (XX'), between a rest position and a connecting position,- a spring (30), arranged between the pin (20) and a ground surface (11) of the female housing (10 ; 10') to generate a pushing force, so as to push the pin (20) into the rest position,characterized in that the ground surface (11) is inclined and/or asymmetric relative to the axial direction (XX').

IPC 8 full level  
**H01R 13/24** (2006.01)

CPC (source: EP)  
**H01R 13/2421** (2013.01)

Citation (applicant)  
• WO 2017159155 A1 20170921 - YOKOWO SEISAKUSHO KK [JP]  
• US 9941627 B2 20180410 - ESMAEILI HANI [US], et al

Citation (search report)  
• [XII] US 7507110 B1 20090324 - YIN TE-HUNG [TW], et al  
• [XII] US 2011195616 A1 20110811 - CHEN YUNG-YI [TW], et al

Cited by  
CN115663506A; WO2024110046A1

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)  
**EP 3627630 A1 20200325**; WO 2020064611 A1 20200402

DOCDB simple family (application)  
**EP 18196333 A 20180924**; EP 2019075490 W 20190923