

Title (en)  
SPRING LOADED ELECTRICAL CONNECTOR

Title (de)  
FEDERBELASTETER ELEKTRISCHER VERBINDER

Title (fr)  
CONNECTEUR ÉLECTRIQUE À RESSORT

Publication  
**EP 3918672 A4 20221019 (EN)**

Application  
**EP 20748313 A 20200124**

Priority  
• US 201916262085 A 20190130  
• US 2020014928 W 20200124

Abstract (en)  
[origin: WO2020159816A1] An electrical connector or electrical connector assembly that has a housing, a contact carrier, one or more spring members, and an interposer. The contact carrier is movable with respect to the housing between unmated and mated electrical positions.

IPC 8 full level  
**H01R 24/86** (2011.01); **H01R 24/00** (2011.01); **H01R 24/58** (2011.01)

CPC (source: EP KR)  
**H01R 13/213** (2013.01 - KR); **H01R 13/2407** (2013.01 - KR); **H01R 24/005** (2013.01 - EP); **H01R 24/58** (2013.01 - EP);  
**H01R 24/86** (2013.01 - EP)

Citation (search report)  
• [X] US 10050367 B1 20180814 - FRANK RONALD I [US], et al  
• [A] JP S5213681 A 19770202 - SONY CORP  
• See also references of WO 2020159816A1

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)  
**WO 2020159816 A1 20200806**; CA 3125243 A1 20200806; CN 113366708 A 20210907; CN 113366708 B 20240419; EP 3918672 A1 20211208; EP 3918672 A4 20221019; JP 2022519503 A 20220324; JP 2023118817 A 20230825; JP 7305773 B2 20230710; KR 102661785 B1 20240426; KR 20210114951 A 20210924

DOCDB simple family (application)  
**US 2020014928 W 20200124**; CA 3125243 A 20200124; CN 202080011985 A 20200124; EP 20748313 A 20200124; JP 2021544230 A 20200124; JP 2023106194 A 20230628; KR 20217021856 A 20200124