

Title (en)  
MODULAR PLUG-IN CONNECTOR SYSTEM

Title (de)  
MODULARES STECKVERBINDERSYSTEM

Title (fr)  
SYSTÈME DE CONNECTEUR ENFICHABLE MODULAIRE

Publication  
**EP 3830911 A1 20210609 (DE)**

Application  
**EP 19749180 A 20190717**

Priority  
• DE 102018118774 A 20180802  
• DE 2019100659 W 20190717

Abstract (en)  
[origin: WO2020025087A1] The invention relates to a plug-in connector (1, 1', 1'', 1''', 1IV, 1V, 1VII, 1VII, 1VIII), substantially consisting of an insulating body (2, 2') and at least one contact element (4, 4', 4'', 4''', 4IV, 4V, 4VII, 4VII) which is mounted directly in the insulating body (2, 2'), wherein the insulating body (2, 2') directly forms the plug-in connector housing of the plug-in connector (1, 1', 1'', 1''', 1IV, 1V, 1VII, 1VII, 1VIII). The plug-in connector (1, 1', 1'', 1''', 1IV, 1V, 1VII, 1VII, 1VIII) is of particularly simple construction and can therefore be manufactured quickly. In addition, the plug-in connector (1, 1', 1'', 1''', 1IV, 1V, 1VII, 1VII, 1VIII) is of very robust design and suitable for industrial use, in particular in harsh environments.

IPC 8 full level  
**H01R 13/506** (2006.01); **H01R 9/05** (2006.01); **H01R 13/52** (2006.01); **H01R 13/58** (2006.01); **H01R 13/627** (2006.01); **H01R 13/629** (2006.01); **H01R 13/6592** (2011.01)

CPC (source: CN EP KR RU US)  
**H01R 9/0518** (2013.01 - EP KR RU US); **H01R 13/465** (2013.01 - CN); **H01R 13/506** (2013.01 - EP KR RU US); **H01R 13/508** (2013.01 - CN); **H01R 13/514** (2013.01 - CN); **H01R 13/5205** (2013.01 - CN); **H01R 13/5208** (2013.01 - KR); **H01R 13/521** (2013.01 - CN); **H01R 13/5812** (2013.01 - KR); **H01R 13/59** (2013.01 - CN); **H01R 13/6272** (2013.01 - KR); **H01R 13/62938** (2013.01 - KR); **H01R 13/639** (2013.01 - CN); **H01R 13/6581** (2013.01 - CN); **H01R 13/6592** (2013.01 - CN KR); **H01R 13/5208** (2013.01 - EP); **H01R 13/5812** (2013.01 - EP); **H01R 13/6272** (2013.01 - EP US); **H01R 13/62938** (2013.01 - EP); **H01R 13/6592** (2013.01 - EP)

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)  
**WO 2020025087 A1 20200206**; CN 112514173 A 20210316; CN 112514173 B 20241001; CN 117954903 A 20240430; CN 117954904 A 20240430; DE 102018118774 A1 20200206; DE 102018118774 B4 20220714; EP 3830911 A1 20210609; EP 3923419 A1 20211215; KR 20210034662 A 20210330; RU 2764584 C1 20220118; US 11557845 B2 20230117; US 2021313714 A1 20211007

DOCDB simple family (application)  
**DE 2019100659 W 20190717**; CN 201980051213 A 20190717; CN 202410202818 A 20190717; CN 202410202872 A 20190717; DE 102018118774 A 20180802; EP 19749180 A 20190717; EP 21000177 A 20190717; KR 20217005749 A 20190717; RU 2021104646 A 20190717; US 201917259953 A 20190717