

Title (en)
CONNECTOR

Title (de)
VERBINDER

Title (fr)
CONNECTEUR

Publication
EP 3113295 B1 20210414 (EN)

Application
EP 16176593 A 20160628

Priority
CN 201520475958 U 20150630

Abstract (en)
[origin: EP3113295A1] A connector, including: a housing having a first surface and a second surface opposite to each other in a thickness direction of the housing; a first foolproof installation key formed on the first surface of the housing and adapted to mate with a first foolproof installation slot formed in a mating connector; and a stop portion formed on the second surface of the housing and adapted to mate with a stop portion formed on the mating connector, wherein a hook is formed on the first foolproof installation key, and a recess, configured to mate with the hook, is formed in the stop portion of the connector, wherein the hook is adapted to be engaged into the recess, so that connectors are capable of being linked in a manner of one after another by engaging the hook of one connector to the recess of the another connector. In the present invention, the existing and necessary foolproof installation key on the connector is used as the chain structure to link connectors, the foolproof installation key is the necessary feature of the final product. Thereby, it does not need to cut off the existing and necessary foolproof installation key in the following process, simplifying the manufacturing process of the connector.

IPC 8 full level
H01R 13/645 (2006.01); **H01R 13/514** (2006.01); **H01R 43/20** (2006.01)

CPC (source: EP KR)
H01R 13/514 (2013.01 - KR); **H01R 13/639** (2013.01 - KR); **H01R 13/64** (2013.01 - KR); **H01R 13/6456** (2013.01 - EP);
H01R 13/514 (2013.01 - EP); **H01R 43/20** (2013.01 - EP)

Cited by
US11968783B2; DE102021111927B3

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 3113295 A1 20170104; **EP 3113295 B1 20210414**; CN 204885573 U 20151216; JP 2017017028 A 20170119; JP 6695220 B2 20200520;
KR 20170003426 A 20170109

DOCDB simple family (application)
EP 16176593 A 20160628; CN 201520475958 U 20150630; JP 2016126649 A 20160627; KR 20160080229 A 20160627