

Title (en)

Connector with a connector position assurance device

Title (de)

Verbinder mit einer Verbinderpositionssicherungsvorrichtung

Title (fr)

Connecteur avec dispositif d'assurance de position de connecteur

Publication

EP 2876744 B1 20190918 (EN)

Application

EP 13194306 A 20131125

Priority

EP 13194306 A 20131125

Abstract (en)

[origin: EP2876744A1] A connector with housing and a latch arm integrally molded with the housing. The latch arm has a lever portion (146) and a latch portion which can be actuated by leverage effect when the lever portion (146) is operated. The connector further includes a connector position assurance (CPA) device slidably mounted on the housing between an initial position in which the latch portion can be actuated when the lever portion (146) is operated and a final position in which it prevents the actuation of the latch portion. The CPA device has a pushing portion, extending in cantilevered position when the CPA is its initial position so as to increase the leverage effect of the lever portion (146).

IPC 8 full level

H01R 13/641 (2006.01); **H01R 13/627** (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP)

H01R 13/641 (2013.01); **H01R 13/6272** (2013.01); **H01R 13/639** (2013.01)

Citation (examination)

WO 2006081901 A1 20060810 - BOSCH GMBH ROBERT [DE], et al

Cited by

CN113557640A; CN107706666A; CN112020801A; CN113224570A; EP3614504A1; CN110858692A; US11005216B2; US9705228B2

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 2876744 A1 20150527; EP 2876744 B1 20190918

DOCDB simple family (application)

EP 13194306 A 20131125