

Title (en)

PLUG-IN CONNECTOR COMPRISING A SECONDARY LOCKING MECHANISM IMPINGED BY A SPRING FORCE

Title (de)

STECKVERBINDER MIT FEDERKRAFT BEAUFSCHLAGTER SEKUNDÄRVERRIEGELUNG

Title (fr)

CONNECTEUR ENFICHABLE POURVU D'UN SYSTEME DE VERROUILLAGE SECONDAIRE SOUMIS A L'ACTION DE RESSORTS

Publication

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Application

**EP 03797292 A 20030910**

Priority

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Abstract (en)

[origin: WO2004027938A1] The invention relates to a plug-in connector (1), in particular for airbag retaining systems, comprising a first housing (2, 3), which can be locked into a mating connector (7) by means of locking arms (4a, 4b) and a secondary locking mechanism (5) that can be impinged by a spring force. Said secondary locking mechanism (5) has tongues (6a, 6b), which block the locking arms (4a, 4b) once the latter have engaged in the mating connector (7), in addition to detent arms (8a, 8b), which are blocked by the introduction of one edge (9) of the mating connector (7) until the locking arms (4a, 4b) are engaged and which then slide off the edge (9) as a result of the spring force that has accumulated up to this point, pressing the secondary locking mechanism (5) into its final position.

IPC 1-7

**H01R 13/627**; **H01R 13/639**

IPC 8 full level

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

CPC (source: EP KR US)

**H01R 13/627** (2013.01 - KR); **H01R 13/6273** (2013.01 - EP US); **H01R 13/639** (2013.01 - KR); **H01R 13/639** (2013.01 - EP US)

Citation (search report)

See references of WO 2004027938A1

Cited by

EP2840664A1; WO2014079418A1; US9478911B2; US9172183B2

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