

Title (en)

Automatic coupling system for electrical and/or fluid circuits between pieces of equipment, a least one of which is mobile.

Title (de)

Automatisches Kupplungsgerät für elektrische und/oder hydraulische Leitungen zwischen Einrichtungen von denen zumindest eine beweglich ist.

Title (fr)

Dispositif de branchement automatique de circuits électriques et/ou fluidiques entre des appareils dont l'un au moins est mobile.

Publication

EP 0154283 A1 19850911 (FR)

Application

EP 85102084 A 19850226

Priority

FR 8403155 A 19840229

Abstract (en)

1. A device for automatically connecting electrical and/or fluid circuits between two apparatuses (1, 4) at least one of which is movable without requiring the presence of an operator in the proximity of the coupling members, the device comprising at least one coupling element (27, 28) on each of the apparatuses and an actuator (20) coupling system on one of the apparatuses, the device being characterized in that the coupling element (28) of at one of the apparatuses (4) is supported by a device (44) providing it with vertical or horizontal deflection in order to ensure proper coupling even when the two apparatuses are positioned approximately, and in that it further includes on each apparatus two axis return devices (21, 22, 32, 35) for returning both the coupling actuator (20) and the coupling element (28) of the apparatus (4) that does not have the coupling actuator towards said coupling axis in two mutually perpendicular directions perpendicular to said axis.

Abstract (fr)

Dispositif de branchement automatique de circuits électriques et/ou fluidiques entre deux appareils (1,4), dont l'un au moins est mobile. comprenant sur chacun des appareils au moins un élément coupleur (27, 28) et sur l'un des appareils un système d'accouplement (20). Il comprend en outre sur chaque appareil deux dispositifs de rappel dans l'axe d'alignement (21, 22, 23, 32, 35) selon deux directions perpendiculaires entre elles et perpendiculaires à cet axe, d'une part du vérin d'accouplement, d'autre part de l'élément coupleur de l'appareil ne portant par le vérin d'accouplement.

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IPC 8 full level

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CPC (source: EP)

B61G 5/06 (2013.01)

Citation (search report)

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