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(54) Title : SAFETY SYSTEM FOR AN ELECTROMECHANICAL COUPLING ASSEMBLY, CHARGING STATION FOR AN ELECTRIC VEHICLE PROVIDED WITH SUCH A SYSTEM AND ASSOCIATED COUPLING METHOD

(54) Titre : SYSTÈME DE SECURISATION POUR UN ENSEMBLE DE COUPLAGE ELECTROMECHANIQUE, STATION DE RECHARGE D'UN VEHICULE ELECTRIQUE MUNIE D'UN TEL SYSTEME ET PROCEDE DE COUPLAGE ASSOCIE

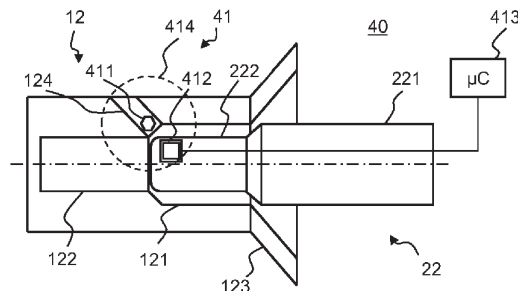


FIG. 3

(57) Abstract : The invention relates to the field of electric vehicle charging. It relates to a safety system for an electromechanical coupling assembly suitable for being fitted to a charging station and an electric vehicle. The invention also relates to the corresponding electromechanical coupling assembly and charging station, as well as to a method for electromechanically coupling an electric vehicle to a charging station. The safety system (41) according to the invention comprises: a detectable element (411) secured to a first connecting part (12) of the coupling assembly; a sensor (412) secured to a second connecting part (22), the sensor (412) being configured to detect whether the detectable element (411) is located in proximity; and a control unit (413) arranged to drive a movement of the first connecting part from a folded position to a proximate position with a force the amplitude of which is lower than a maximum amplitude F1max, and controlling a movement of the first connecting part from the proximate position to a connecting position with a force the amplitude of which is higher than said maximum amplitude F1max.

(57) Abrégé :

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