COUPLING DEVICE FOR A TRACTION VEHICLE WITH AN OBJECT DETECTION MEANS ATTACHED TO IT

ABSTRACT

A coupling device for a towing vehicle with an object detection means (10) attached to the coupling device is described, wherein the coupling device has a coupling body (30) in form of a fifth wheel plate (40) and a locking mechanism (31), with which a coupling means (50) in form of a kingpin (51) is releasably held on the coupling body (30) in its end position (E), wherein the coupling body (30) comprises an available space (33) which is limited by a coupling means guiding contour (32) and extends along a longitudinal axis (x), wherein the coupling means (50) is at least partially immersed during coupling into the available space (33) until reaching an end position (E). The invention was therefore based on the object of arranging an object detection means (10) with a low risk of damage as close as possible to the longitudinal axis (x) of the towing vehicle. The underlying object of the invention is solved with a coupling device having an object detection means (10) that is mounted in the coupling means guiding contour (32) so that it can move between a functional position (11) protruding into the available space (33) and a dodged position (12) sunk into the coupling means guiding contour (32).

[FIG. 1]