

Title (en)

COUPLING CLOSURES AND DOCKING DEVICES COMPRISING SAID COUPLING CLOSURES

Title (de)

KUPPLUNGSVERSCHLÜSSE SOWIE ANDOCKEINRICHTUNGEN ENTHALTEND DIESE KUPPLUNGSVERSCHLÜSSE

Title (fr)

FERMETURES D'ACCOUPLEMENT ET DISPOSITIFS D'ADOSSAGE RENFERMANT CES FERMETURES D'ACCOUPLEMENT

Publication

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Application

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Abstract (en)

[origin: WO2005012104A2] The invention relates to a multiple coupling closure (120, 120') which ensures a reversible substantially tight with respect to environment closure and is used for substantially tight with respect to environment filling and/or transferring of bulk products from flexible and/or rigid containers or conveying means, in particular pipe sections comprising at least two coupling closures (101, 101'; 110, 110') which are assembled or assembleable to each other, in particular in a manner substantially tight with respect to environment, respectively through at least partially flexible and/or rigid conveying means (102, 202), in particular through a pipe, wherein the opening surface, in particular of the inner diameter of the first open coupling closure (101, 101'), is larger than the external and/or internal peripheral surface of the second coupling closure (110, 110'). When the first coupling closure (101) is open, said second coupling closure (110) is docked, in particular in a manner substantially tight with respect to environment associated with the formation of a docking device, to the corresponding coupling closure (110') inside conveying means (102, 202), and/or during at least partial pass through the opening of the first coupling closure (101). Said invention also relates to a multiple docking device comprising said multiple coupling closure and a container and conveying means each of which also comprises said multiple coupling closure. The invention also relates to a method for filling, transferring and/or emptying, in particular substantially tight with respect to environment, flexible or rigid containers and to a method for using the inventive multiple coupling closure.

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