

Title (en)
COUPLING SYSTEM AND METHOD OF USE THEREOF

Title (de)
KUPPLUNGSSYSTEM UND VERWENDUNGSVERFAHREN

Title (fr)
SYSTEME DE COUPLAGE ET SON PROCEDE D'UTILISATION

Publication
EP 1485285 A2 20041215 (EN)

Application
EP 03722342 A 20030313

Priority
• EP 0302648 W 20030313
• GB 0206149 A 20020315

Abstract (en)
[origin: WO03078238A2] A coupling system comprises tractor coupling means (2) which engage with complementary trailer coupling means (4). The tractor and/or trailer coupling means (2, 4) is provided on a coupling surface (17, 19) thereof, with annular channels (108) arranged to form a continuous sealed passageway upon mechanical engagement of the tractor and trailer coupling means (4), so to allow the supply of one or more services between the tractor unit (202, 204) and trailer unit (204, 208). The tractor coupling means (2) is rotatably mounted with respect to the tractor unit (202; 204) and the trailer coupling means (4) is rigidly attached to the trailer unit (204; 208), such that when the vehicle articulates the trailer coupling means (4) drives rotation of the rotatable tractor coupling means (2). A locking mechanism for locking two coupling units is also disclosed.

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Citation (search report)
See references of WO 03078238A2

Cited by
US11084342B2; US11491832B2; US10670479B2; US11135882B2; US10696109B2; US10940726B2; US11221262B2

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