

Title (en)
Automatic coupling for railway vehicles.

Title (de)
Selbsttätige Kupplung für Schienenfahrzeuge.

Title (fr)
Attelage automatique pour véhicules ferroviaires.

Publication
EP 0501244 B1 19940831 (DE)

Application
EP 92102429 A 19920213

Priority
DE 4106421 A 19910228

Abstract (en)
[origin: EP0501244A1] The automatic coupling for rail vehicles has a line coupling head 1 which is located at the front and can be pressed back in a resilient manner. In order to support the pneumatic sealing support of the line coupling a short-stroke cylinder 5 is provided whose piston 6 is coupled to the line coupling head 1 and whose cylinder body 7 is held so as to be displaceable element relative to the line coupling head 1. When the short-stroke cylinder 5 is subjected to pressure, as a result of the relative displacement of piston rod 8 and cylinder element 7 an angular lever 14 which is rotatably mounted on the cylinder element 7 is rotated in such a way that one of its legs 18 comes to rest from the front against a stop face 20 of the coupling head and thus blocks the cylinder element 7 against rearward displacement. The force resulting from the subjection to pressure medium of the piston 6 is then transmitted as forwardly directed force on the line coupling head 1, as a result of which the pressure and thus the seal of its coupling sealing ring with respect to the corresponding line coupling head is supported. <IMAGE>

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B61G 5/08

IPC 8 full level
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CPC (source: EP)
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EP 0501244 A1 19920902; EP 0501244 B1 19940831; AT E110660 T1 19940915; DE 4106421 A1 19920903; DE 59200422 D1 19941006

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EP 92102429 A 19920213; AT 92102429 T 19920213; DE 4106421 A 19910228; DE 59200422 T 19920213