

Title (en)

Single wheel steering device.

Title (de)

Einzelrad-Steuervorrichtung.

Title (fr)

Dispositif de manoeuvre pour roue indépendante.

Publication

EP 0468296 B1 19940112

Application

EP 91111580 A 19910711

Priority

- DE 9013005 U 19900912
- EP 90114094 A 19900723

Abstract (en)

[origin: EP0468296A1] In order to achieve, in a single wheel steering device for at least one horizontally rotationally movable single wheel of a vehicle, in particular rail vehicle, an optimum running stability of the individual wheel in straight-ahead travel and a curve setting with low steering forces (butting forces in the case of rail vehicles), it is proposed to assign a direction predetermining device to the single wheel. The direction predetermining device comprises a flow channel (1, 1[216C]) for a flowing medium, a flow body (8, 8[216C]) which is swivellably arranged in the flow channel (1, 1[216C]) in the stream and coupled to the single wheel for the purpose of taking over the flow direction in order to transfer it to the single wheel, and a device (4, 6, 7; 4[216C], 6[216C], 7[216C]) for changing the pressure and/or speed of the flowing medium, which device is activated when a direction changing force is exerted on the flowing body (8, 8[216C]) by the single wheel. <IMAGE>

IPC 1-7

B61F 5/38

IPC 8 full level

B61F 5/38 (2006.01)

CPC (source: EP)

B61F 5/38 (2013.01)

Cited by

DE4216726A1; DE4216726C2

Designated contracting state (EPC)

AT CH DE LI

DOCDB simple family (publication)

EP 0468296 A1 19920129; EP 0468296 B1 19940112; DE 59100841 D1 19940224

DOCDB simple family (application)

EP 91111580 A 19910711; DE 59100841 T 19910711