

Title (en)

RETRACTABLE STEP FOR RAILWAY VEHICLE

Title (de)

EINZIEHBARE STUFE FÜR SCHIENENFAHRZEUG

Title (fr)

MARCHE ESCAMOTABLE POUR VÉHICULE FERROVIAIRE

Publication

EP 4324715 A1 20240221 (EN)

Application

EP 21940508 A 20211111

Priority

- CN 202110545961 A 20210519
- CN 2021130003 W 20211111

Abstract (en)

A retractable step for a railway vehicle, comprising: a step assembly (1) and elastic supporting boxes (2) located on the two sides of the step assembly (1). The step assembly (1) comprises vertical plates (1.3) and at least two step plates (1.2, 1.4) arranged at intervals in a vertical direction; a connecting plate (1.1) is arranged on the outer side of each vertical plate (1.3); each elastic supporting box (2) comprises a bottom plate (2.5), a front baffle (2.1), a rear baffle (2.2), an outer side plate (2.3), and a top plate (2.7) that are fixedly connected to each other; the connecting plates (1.1) are located in cavities of the elastic supporting boxes (2), and springs (3) extending in the vertical direction are arranged in the elastic supporting boxes (2); one end of each spring (3) is fixedly connected to the bottom plate (2.5) or the top plate (2.7), and the other end is connected to or abuts against the connecting plate (1.1). The retractable step is simple and light in structure, can be connected to a vehicle body by means of bolts, is convenient to mount and use welding parts and standard parts, and is simple to manufacture, stable, reliable and long in service life; the spring mounting space is shielded by the baffle, so that substances such as sandy soil can be prevented from eroding the spring; the step size is convenient to replace according to actual needs.

IPC 8 full level

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