

Title (en)

PIGGYBACK VEHICLE AND VEHICLE BODY THEREOF

Title (de)

HUCKEPACKFAHRZEUG UND FAHRZEUGKAROSSERIE DAFÜR

Title (fr)

VÉHICULE DE FERROUTAGE ET CARROSSERIE DE VÉHICULE ASSOCIÉE

Publication

EP 4112414 A4 20240403 (EN)

Application

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Priority

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Abstract (en)

[origin: EP4112414A1] A piggyback vehicle and a vehicle body thereof are provided. The vehicle body includes a body part (1) and a holding part (4), each of two longitudinal ends of the holding part (4) is provided with a connection structure, and the connection structure includes an upper hook (421) and a lower circular shaft (412c) extending in a transverse direction. The body part (1) is provided with an end connecting mechanism (22), the end connecting mechanism (22) includes an end connecting hook (221) and an end longitudinal support member (222), and an upward hook opening is defined by the end connecting hook (221). In an assembled state, the lower circular shaft (412c) may be hung on the hook opening of the end connecting hook (221), and the upper hook (421) may be clamped onto the end longitudinal support member (222). With this structure, there are two connection points between each of the two longitudinal ends of the holding part (4) and the body part (1), and thus the connection between the holding part (4) and the body part (1) is reliable; and during separation, by lifting the body part (1), the body part (1) and the holding part (4) are able to rotate with respect to each other by taking a central axis of the lower circular shaft (412c) as a rotational center line, forcing the junction between the upper hook (421) and the end longitudinal support member (222) to be loosened, thus facilitating the separation between the holding part (4) and the body part (1).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 2576312 B1 20190213 - LOHR IND [FR]
- [A] WO 2006018242 A2 20060223 - FRENZEL BAU GMBH & CO KG [DE], et al
- See also references of WO 2021169172A1

Designated contracting state (EPC)

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