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**(54) Title (EN):** TRANSMISSION SHAFT ALLOWING COMPONENT TO BE CHANGED, AND TRUCK

**(54) Title (FR):** ARBRE DE TRANSMISSION PERMETTANT LE CHANGEMENT D'UN ÉLÉMENT, ET CAMION

**(54) Title (ZH):** 一种可更换部件的传动轴及载货汽车

**(57) Abstract:**

**(EN):** A transmission shaft (100) allowing a component to be changed comprises flange yokes (110), universal joints (120), a spline shaft (130), a sliding yoke (140), and a connection portion (150). The flange yokes (110) comprise a first flange yoke (111) and a second flange yoke (113). The universal joints (120) comprise a first universal joint (121) and a second universal joint (123). The first flange yoke (111) is connected to the sliding yoke (140) by means of the first universal joint (121). One end of the spline shaft (130) penetrates in the sliding yoke (140), and the other end of the spline shaft (130) is detachably connected to the connection portion (150). The connection portion (150) is connected to the second flange yoke (113) by means of the second universal joint (123). By means of the transmission shaft allowing a component to be changed, only parts of components need to be changed, thereby improving the performance of the transmission shaft; and the whole later-period repair cost is reduced while the service life of other components is prolonged. The present invention also relates to a truck. The use reliability and the economic applicability of the truck can be improved.

**(FR):** L'invention concerne un arbre de transmission (100) permettant le changement d'un élément, l'arbre comprenant des culasses à bride (110), des joints universels (120), un arbre cannelé (130), une culasse coulissante (140) et une partie de liaison

(150). Les culasses à bride (110) comprennent une première culasse à bride (111) et une seconde culasse à bride (113). Les joints universels (120) comprennent un premier joint universel (121) et un second joint universel (123). La première culasse à bride (111) est reliée à la culasse coulissante (140) au moyen du premier joint universel (121). Une extrémité de l'arbre cannelé (130) pénètre dans la culasse coulissante (140), et l'autre extrémité de l'arbre cannelé (130) est reliée amovible à la partie de liaison (150). La partie de liaison (150) est reliée à la seconde culasse à bride (113) au moyen du second joint universel (123). Au moyen de l'arbre de transmission permettant le changement d'un élément, seulement certaines parties des éléments nécessitent d'être changées, ce qui permet d'améliorer le rendement de l'arbre de transmission ; et le coût total de réparation sur une période ultérieure est réduit tandis que la durée de vie des autres éléments est prolongée. La présente invention concerne également un camion. La fiabilité d'utilisation et l'applicabilité économique du camion peuvent être améliorées.

**(ZH):** 一种可更换部件的传动轴(100),包括凸缘叉(110)、万向节(120)、花键轴(130)、滑动叉(140)以及连接部(150),凸缘叉(110)包括第一凸缘叉(111)与第二凸缘叉(113),万向节(120)包括第一万向节(121)与第二万向节(123),第一凸缘叉(111)与滑动叉(140)通过第一万向节(121)连接,花键轴(130)的一端穿设于滑动叉(140)内,花键轴(130)的另一端与连接部(150)可拆卸连接,连接部(150)通过第二万向节(123)与第二凸缘叉(113)连接;该可更换部件的传动轴,能实现仅需要更换部分零部件从而提高传动轴的性能,在提高其他零部件的使用寿命的同时,降低了整体的后期维修成本;还涉及一种载货汽车,能够提高载货汽车的使用可靠性以及经济适用性。

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