

Title (en)

PROCESS AND DEVICE FOR EXCHANGING WHEELSETS OF RAILWAY VEHICLES BY MEANS OF A TRAVELLING UNIT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM RADSATZWECHSEL AN SCHIENENFAHRZEUGEN MITTELS EINER VERFAHRBAREN EINRICHTUNG

Title (fr)

PROCEDE ET DISPOSITIF D'ECHANGE D'ESSIEU DE ROUES DANS DES VEHICULES FERROVIAIRES, AU MOYEN D'UN MECANISME MOBILE

Publication

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Application

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Abstract (en)

[origin: WO2006117066A1] A process and device are disclosed for exchanging wheelsets of railway vehicles by means of a travelling unit, the railway vehicle being brought onto a supported track section. The invention addresses the problem of developing a structurally simple and economical wheelset-exchanging device which can be moved without its own drive and be used with all standardised track bridges and wheelsets in a polyvalent manner. The device should also be low-maintenance, operationally reliable and very stable. According to the invention, this problem is solved in that the supported track section (3) between two tracks comprises a working pit (2) in which a mobile wheelset exchanger (1) fits precisely in the area of an extendable standardised track bridge (4) by means of a mobile hoisting vehicle, preferably a fork lift truck. The mobile wheelset exchanger comprises one or more, preferably hydraulic, telescopic cylinders, the supported tracks comprise detachable standardised track bridges, and the standardised track bridges comprise a locking/unlocking structure (S) and an earthing device.

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