

Title (en)
METHOD AND DEVICE FOR DIAGNOSING RAILWAY SWITCHES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR WEICHENDIAGNOSE

Title (fr)
PROCÉDÉ ET DISPOSITIF SERVANT À DIAGNOSTIQUER DES AIGUILLAGES

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Abstract (en)
[origin: WO2018082857A1] The invention relates to a method for diagnosing railway switches which can be implemented with comparatively low expenditure and at the same time has a high level of reliability and efficiency. For this purpose, the method for diagnosing railway switches proceeds according to the invention in such a way that, for a group of a plurality of railway switch drives (WA1-WA5) which have a common power supply (SV), measured values are acquired which relate to at least one common electrical measurement variable, in particular in the form of a common actuating current of the railway switch drives (WA1-WA5), to a common actuating voltage of the railway switch drives (WA1-WA5) and/or to a common reactive power which is taken up by the railway switch drives (WA1-WA5). Furthermore, operational data relating to a respective operating state of the individual railway switch drives (WA1-WA5) of the group are acquired, and taking into account at least the acquired measured values and the acquired operational data for at least one railway switch (e.g. W3) whose railway switch drive (WA3) belongs to the group, characteristic diagnostic data is determined for a state of the respective railway switch (W3). The invention also relates to a device (WD) for diagnosing railway switches.

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