

Title (en)

DRIVE TRAIN FOR A WORK MACHINE, AND WORK MACHINE

Title (de)

ANTRIEBSSTRANG EINER ARBEITSMASCHINE UND ARBEITSMASCHINE

Title (fr)

GROUPE MOTOPROPULSEUR POUR UNE MACHINE DE TRAVAIL, ET MACHINE DE TRAVAIL

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Application

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Abstract (en)

[origin: WO2023031157A1] The present invention relates to a drive train (64) and to a work machine (50), the work machine (50) having at least one first driven axle (56) and one second driven axle (58), and respective wheels (60) of the first driven axle (56) having a smaller effective diameter than respective wheels of the second axle. The drive train (64) has an electric traction motor (66), a transmission (68) and an axle disconnection device (70). A drive shaft of the transmission (68) is connected to an output shaft of the traction motor (66) and a first output shaft of the transmission (68) is connected to a drive shaft of the axle disconnection device (70). An output shaft of the axle disconnection device (70) is designed to be connected to the first axle (56) and a second output shaft of the transmission (68) is designed to be connected to the second axle (58). The output shaft of the traction motor (66), the first output shaft of the transmission (68) and the second output shaft of the transmission (68) extend in one plane.

IPC 8 full level

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