

Title (en)

TRANSMISSION STAGE AND METHOD FOR GENERATING A DIFFERENTIAL VOLTAGE BETWEEN BUS LINES

Title (de)

SENDESTUFE UND VERFAHREN ZUR ERZEUGUNG EINER DIFFERENZSPANNUNG ZWISCHEN BUSLEITUNGEN

Title (fr)

ÉTAGE DE TRANSMISSION ET PROCÉDÉ DE GÉNÉRATION D'UNE TENSION DIFFÉRENTIELLE ENTRE DES LIGNES DE BUS

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Application

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Abstract (en)

[origin: WO2021233638A1] The invention relates to a transmission stage for generating a differential voltage between a first and a second bus line of a bus of a bus system based on differential voltage signals, in particular for a controller area network bus system. The transmission stage comprises a first and a second transmission block for generating voltage signals on the first and the second bus line; wherein the first transmission block has multiple first current paths arranged in parallel that have first resistor elements, and wherein the second transmission block has multiple second current paths arranged in parallel that have second resistor elements. The current paths are each switchable between a conductive and a nonconductive state. There is provision for a control circuit that is designed to switch each of the first and second current paths within a switching period, which begins with a change in the transmission signal, at respective predetermined times. Additionally, a corresponding method is presented.

IPC 8 full level

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