

Title (en)

METHOD FOR DETERMINING A LINE LENGTH

Title (de)

VERFAHREN ZUR ERMITTLUNG EINER LEITUNGSLÄNGE

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE LONGUEUR DE CONDUITE

Publication

EP 4226070 A1 20230816 (DE)

Application

EP 21786872 A 20211004

Priority

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- EP 2021077213 W 20211004

Abstract (en)

[origin: WO2022078786A1] The invention relates to a method for determining the length of a heated pressure line for a conveying device for an aqueous urea solution in a motor vehicle from a tank to an injector, wherein the pressure line is electrically heatable and is heated, utilizing ohmic resistance, by the application of a voltage to an electrical conductor led on the pressure line, and wherein the length of the pressure line is calculated by means of the following formula: formula (I), in which A refers to the cross-sectional area of the electrical conductor, ρ refers to the electrical resistivity of the electrical conductor and $R_{Heizleitung}$ refers to the electrical resistance of the electrical conductor used to heat the pressure line.

IPC 8 full level

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