

Title (en)

HIGH-PRESSURE CLEANING DEVICE, CLEANING DISPERSION AND ARRANGEMENT OF HIGH-PRESSURE CLEANING DEVICE IN RELATION TO A SURFACE

Title (de)

HOCHDRUCKREINIGUNGSVORRICHTUNG, REINIGUNGSDISPERSION UND ANORDNUNG HOCHDRUCKREINIGUNGSVORRICHTUNG ZU OBERFLÄCHE

Title (fr)

DISPOSITIF DE NETTOYAGE HAUTE PRESSION, DISPERSION DE NETTOYAGE ET AGENCEMENT DU DISPOSITIF DE NETTOYAGE HAUTE PRESSION PAR RAPPORT À LA SURFACE

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Application

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Abstract (en)

[origin: WO2020002001A1] The invention relates to a high-pressure cleaning device (1; 101) for a material-friendly cleaning of surfaces soiled by fine particles, particularly motor vehicle surfaces (2), said device comprising a high-pressure pump (4) for delivering a cleaning product to a high-pressure jet nozzle (8) where the cleaning product emerges in a high-pressure jet (10), wherein the cleaning product comprises a cleaning dispersion (6) with a carrier fluid (14) and with solid cleaning particles (12; 212) having a density of between 0.8 g/cm³ and 3.5 g/cm³, particularly between 0.9 g/cm³ and 2.2 g/cm³, and the high-pressure cleaning device (1; 101) is configured such that, when a cleaning particle (12; 212) emerges from the high-pressure jet nozzle, it has a kinetic energy of minimum 1 - 10-10 J and maximum 2 - 10-4 J, preferably minimum 2 - 10-9 J and maximum 7-10-5 J, and most particularly preferably between minimum 4 - 10-7 J and maximum 9 - 10-6 J. Furthermore, the invention relates to a cleaning dispersion for a high-pressure cleaning device, and to an arrangement of a high-pressure cleaning device and a surface to be cleaned according to the alternative independent claims.

IPC 8 full level

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