

Title (en)

AN ULTRA-HIGH-PRESSURE WATER JETTING (UHPWJ) HYDRO-BLASTING CLEANING SYSTEM FOR SURFACES

Title (de)

HYDROSTRAHLREINIGUNGSSYSTEM MIT ULTRAHOCHDRUCKWASSERSTRAHL FÜR OBERFLÄCHEN

Title (fr)

SYSTÈME DE NETTOYAGE PAR HYDROSOUFFLAGE DE JET D'EAU À ULTRA-HAUTE PRESSION (UHPWJ) POUR SURFACES

Publication

EP 3643414 B1 20230607 (EN)

Application

EP 18425080 A 20181025

Priority

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Abstract (en)

[origin: EP3643414A1] The present invention concerns a Ultra-High Pressure Water Jetting (UHPWJ) hydro-blasting/cleaning system (1) for surfaces (P) of very large dimensions and/or complex shapes and/or difficult access and/or with a high elevation. The UHPW system includes a rotating cleaning head (4) which can be kept in contact with the surface to be hydro-blasted/cleaned and sucking means which are judiciously physically separated, i.e. a cyclone type device (5) which is mounted on the mobile robot (2) and therefore can separate the gas phase from the liquid and solid phases, very near to the hydro-blasting/cleaning head, while minimizing the flow pressure drop, and a vacuum suction device (6) that is placed up to a significant distance from the cleaning head and generates the depression that drives the three-phase mixture into the cyclone.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN115653019A; CN112254014A; CN117161007A; CN117718270A

Designated contracting state (EPC)

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