

Title (en)

SPRAY TREATMENT FOR CLEANING A SURFACE OF A 3D PART

Title (de)

SPRÜHBEHANDLUNG ZUM REINIGEN EINER OBERFLÄCHE EINES 3D-TEILS

Title (fr)

TRAITEMENT PAR PULVÉRISATION POUR NETTOYER UNE SURFACE D'UNE PARTIE 3D

Publication

**EP 3434381 B1 20200311 (EN)**

Application

**EP 17182926 A 20170725**

Priority

EP 17182926 A 20170725

Abstract (en)

[origin: EP3434381A1] The present invention refers to a spray treatment system (1) for cleaning a surface (6) of a 3D part (5). A conveyor mechanism (10) supports and moves the part (5) along a cleaning path (90) having a central axis (95). A plurality (22) of spray nozzles (20) positioned along sides (91,92) of the cleaning path spray a cleaning agent (3) in form of cleaning jets (25) towards the part (5). A 3D scanner (40,40') of the system (1) scans the part (5) to be cleaned and determines a shape and/or a size of the part (5) and generates corresponding data that is received by a processor (50) which then consequently directs a part rotating mechanism (30) to orient the part (5) based on the shape and/or the size of the part (5) such that a surface portion (4,4') of the surface (6) of the part (5) is disposed at a predetermined distance from at least one spray nozzle (20) from the plurality (22) of spray nozzles (20).

IPC 8 full level

**B08B 3/02** (2006.01); **B05B 12/02** (2006.01); **B05B 12/12** (2006.01); **B05B 13/02** (2006.01)

CPC (source: EP)

**B08B 3/022** (2013.01); **B05B 12/02** (2013.01); **B05B 12/122** (2013.01); **B05B 13/0235** (2013.01)

Cited by

CN109847977A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3434381 A1 20190130**; **EP 3434381 B1 20200311**; TR 201711067 A2 20190221

DOCDB simple family (application)

**EP 17182926 A 20170725**; TR 201711067 A 20170728