

Title (en)

METHOD AND DESIGN FOR PRODUCTIVE QUIET ABRASIVE BLASTING NOZZLES

Title (de)

VERFAHREN UND ENTWURF FÜR PRODUKTIVE GERÄUSCHARME SCHLEUDERSTRAHLDÜSEN

Title (fr)

PROCÉDÉ ET CONCEPTION POUR BUSES SILENCIEUSES PRODUCTIVES D'ABRASION PAR PROJECTION

Publication

**EP 4072778 A1 20221019 (EN)**

Application

**EP 20897655 A 20200328**

Priority

- US 2019065783 W 20191211
- US 202016819035 A 20200313
- US 2020025586 W 20200328

Abstract (en)

[origin: WO2021118625A1] Reduced noise abrasive blasting assemblies and systems are described. The new assemblies and systems are comprised of standard blast hose, accelerator hose, couplings and nozzle. The improved abrasive blasting system maintains abrasive particle velocity while decreasing the exit gas velocity and consequently decreasing sound production. This is accomplished through an acceleration section with reduced inner diameter and sufficient length to provide the necessary abrasive particle velocity. The new system maintains the productivity and efficiency of conventional abrasive blasting systems but with greatly reduced acoustic noise production and reduces operator fatigue due to the lower weight of the carried portion of the system.

IPC 8 full level

**B24C 5/04** (2006.01)

CPC (source: EP KR)

**B05B 1/002** (2018.08 - EP KR); **B05B 7/1404** (2013.01 - KR); **B05B 7/1486** (2013.01 - EP KR); **B24C 5/04** (2013.01 - EP KR); **B05B 7/1404** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2021118625 A1 20210617**; AU 2020399540 A1 20220609; CA 3159321 A1 20210617; CN 114829068 A 20220729; EP 4072778 A1 20221019; EP 4072778 A4 20240117; JP 2023505838 A 20230213; JP 7574297 B2 20241028; KR 20220110268 A 20220805

DOCDB simple family (application)

**US 2020025586 W 20200328**; AU 2020399540 A 20200328; CA 3159321 A 20200328; CN 202080086029 A 20200328; EP 20897655 A 20200328; JP 2022535240 A 20200328; KR 20227022777 A 20200328