



(51) International Patent Classification:

B08B 9/08 (2006.01) **B24C 3/06** (2006.01)
B08B 9/093 (2006.01) **B65D 88/12** (2006.01)

(21) International Application Number:

PCT/EP2010/056060

(22) International Filing Date:

5 May 2010 (05.05.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09161108.7 26 May 2009 (26.05.2009) EP

(71) Applicant (for all designated States except US): **I B CLEANING AB** [SE/SE]; Torshällavägen 39, S-633 44 Eskilstuna (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ERIKSSON, Kerstin** [SE/SE]; Bynäsvägen 32, S-632 36 Eskilstuna (SE). **JANSSON, Erik** [SE/SE]; Apelsinvägen 21 H, S-633 47 Eskilstuna (SE). **THUNELL, Anders** [SE/SE]; Sysslomansgatan 25, S-753 14 Uppsala (SE). **REYIER, Ingemar** [SE/SE]; Ragnaröksgatan 10, S-723 55 Västerås (SE).

(74) Agent: **REYIER, Ann-Mari**; Bjerkéns Patentbyrå KB, Box 128, S-721 05 Västerås (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: A SYSTEM, TOOL AND METHOD FOR CLEANING THE INTERIOR OF A FREIGHT CONTAINER

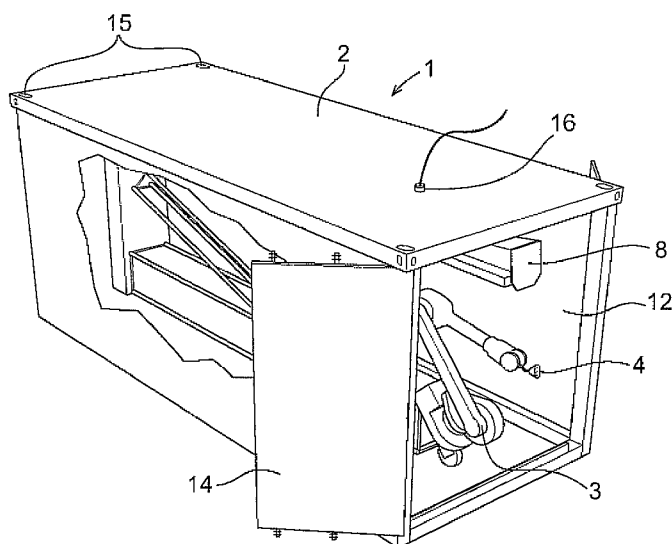


Fig. 1

(57) Abstract: The present invention relates to a tool for (1) for cleaning the interior of a freight container of ISO type. The tool comprising a framework (2), a robot (1) movably connected to the framework and provided with a nozzle (4) for supplying dry ice. The robot and the nozzle are adapted to clean the interior of the container by means of dry ice blasting. An actuating unit (6) is arranged to move the robot between the framework and the interior of the container. The tool is a portable unit and has a size and a design that allows a truck adapted for gripping and carrying freight containers of ISO type to grip and carry the tool in order to move the tool to and from the container to be cleaned.