

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 July 2022 (07.07.2022)



(10) International Publication Number
WO 2022/144300 A1

(51) International Patent Classification:

B67D 7/04 (2010.01) B67D 7/84 (2010.01)
B67D 7/32 (2010.01) B25J 19/00 (2006.01)

(21) International Application Number:

PCT/EP2021/087498

(22) International Filing Date:

23 December 2021 (23.12.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20217945.3 30 December 2020 (30.12.2020) EP
21191567.3 16 August 2021 (16.08.2021) EP

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(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

(54) Title: ROBOTIC SYSTEM FOR AUTOMATIC REFUELLING OF VEHICLES

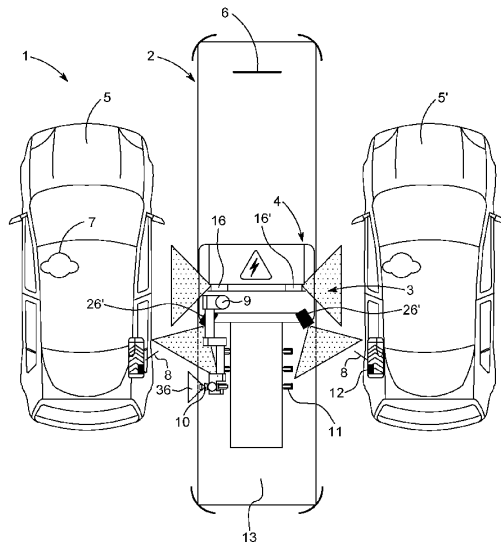


FIG. 1

(57) Abstract: The present disclosure relates to a robotic refuelling system and method for automatically operating a fuel station (1) for refuelling vehicles. The robotic refuelling system comprises a first detection unit (16) for identifying the vehicle (5), a collaborative robot arm (9) and an adapter tool (10) connected to the collaborative robot arm (9). The system is configured for detecting and identifying the vehicle (5), and controlling the collaborative robot arm (9) and the adapter tool (10) to engage at least one fuel dispenser unit (11) of the fuel station (1) and refuel the vehicle (5).

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Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE