

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6407662

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ARRIVAL ROBOTICS LIMITED	03/20/2020
RECEIVING PARTY DATA	
Name:	ARRIVAL LIMITED
Street Address:	BEAUMONT HOUSE, AVONMORE ROAD
City:	LONDON
State/Country:	ENGLAND
Postal Code:	W14 8TS
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16833056
CORRESPONDENCE DATA	
Fax Number:	(509)323-8979
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	5093249256
Email:	leann@leehayes.com
Correspondent Name:	LEE & HAYES, PC
Address Line 1:	601 WEST RIVERSIDE, SUITE 1400
Address Line 4:	SPOKANE, WASHINGTON 99201
ATTORNEY DOCKET NUMBER:	A211-0035US
NAME OF SUBMITTER:	LEANN M CARMAN
SIGNATURE:	/LeAnn M Carman/
DATE SIGNED:	11/18/2020
Total Attachments: 13	
source=30assignment#page1.tif	
source=30assignment#page2.tif	
source=30assignment#page3.tif	
source=30assignment#page4.tif	
source=30assignment#page5.tif	
source=30assignment#page6.tif	

source=30assignment#page7.tif
source=30assignment#page8.tif
source=30assignment#page9.tif
source=30assignment#page10.tif
source=30assignment#page11.tif
source=30assignment#page12.tif
source=30assignment#page13.tif

ARRIVAL ROBOTICS - ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

THIS ASSIGNMENT DEED is effective from 31 December 2019 and is made **BETWEEN**:

- (1) **ARRIVAL ROBOTICS LIMITED**, a company incorporated and registered in England and Wales with company number 10406723 whose registered office is Beaumont House, Avonmore Road, London, England, W14 8TS (**Assignor**); and
- (2) **ARRIVAL LIMITED**, a company incorporated and registered in England and Wales with company number 09475811 whose registered office is Beaumont House, Avonmore Road, London, England, W14 8TS (**Assignee**).

BACKGROUND:

- (A) Assignor is the current owner of all IPR related to the Arrival Robotics business and Jungle brand. Under this assignment agreement, Assignor assigns certain intellectual property rights to Assignee.
- (B) Assignor is a company which used to be called "TRA Robotics Limited" (company number 10406723). On 1 October 2019, the company name was changed to "Arrival Robotics Limited".

INTERPRETATION:


First Assigned Rights means the patents and trade marks listed in Schedule 1 relating to the former TRA Robotics business.



TRANSFER OF RIGHTS:

1. In consideration of the sum of [REDACTED] the Assignor assigns to the Assignee, absolutely with full title guarantee, all its right, title and interest in and to the First Assigned Rights, in all territories of the world, including:
 - a) the right to apply for and obtain patent rights, including any further developments and improvements in respect thereof;
 - b) the right to claim priority from and to prosecute and obtain grant of patent rights;
 - c) the right to file divisional applications based thereon and to prosecute and obtain grant of patents on each and any such divisional application;
 - d) in respect of each and any invention, the right to file an application, claim priority from such application, and prosecute and obtain grant of patent or similar protection in or in respect of any country or territory in the world;
 - e) the right to extend to or register in or in respect of any country or territory in the world each and any of the patents, and each and any of the applications filed as aforesaid, and to extend to or register in, or in respect of, any country or territory in the world any patent or like protection granted on any of such applications;
 - f) the absolute entitlement to any registrations granted pursuant to any applications comprised in the First Assigned Rights or filed as aforesaid; and
 - g) the right to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the First Assigned Rights whether occurring before, on, or after the date of this agreement.



- 
3. The Assignor shall, and shall use all reasonable endeavours to procure that any necessary third party shall, execute and deliver such documents and perform such acts as may be required for the purpose of giving full effect to this agreement, including (as the case may be): (a) registration of the Assignee as applicant or (as applicable) proprietor of the First / Second Assigned Rights; and (b) assisting the Assignee in obtaining, defending and enforcing the First / Second Assigned Rights, and assisting with any other proceedings which may be brought by or against the Assignee against or by any third party relating to the First / Second Assigned Rights.
 4. A reference to any party shall include that party's personal representatives, successors and permitted assigns.
 5. This agreement may be executed in any number of counterparts, each of which when executed shall constitute a duplicate original, but all the counterparts shall together constitute one agreement.
 6. This agreement and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of England and Wales. Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this agreement or its subject matter or formation.
 7. This document has been executed as a deed and is delivered and takes effect on the date stated at the beginning of it.

Executed as a deed by ARRIVAL ROBOTICS LIMITED

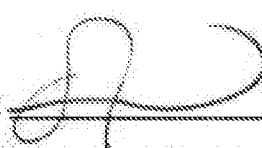


Signature: _____

Capacity: Director

Date: _____

In the presence of a witness:

Signature:  _____

Name, Address & Occupation:

DANIEL CHIN, SOLICITOR
REGAUMONT HOUSE
KENSINGTON VILLAGE
LONDON, W14 8TS

Executed as a deed by ARRIVAL LIMITED

Signature

Name:

Date:



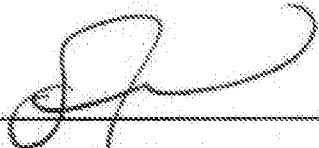
Tom Kablew

20 March 2020

In the presence of a witness:

Signature:

Name, Address & Occupation:



DANIEL CHIN, SOLICITOR

BEAUMONT HOUSE

KENSINGTON VILLAGE

LONDON, W14 8TS

Schedule 1

Assigned Patents and Trade Marks

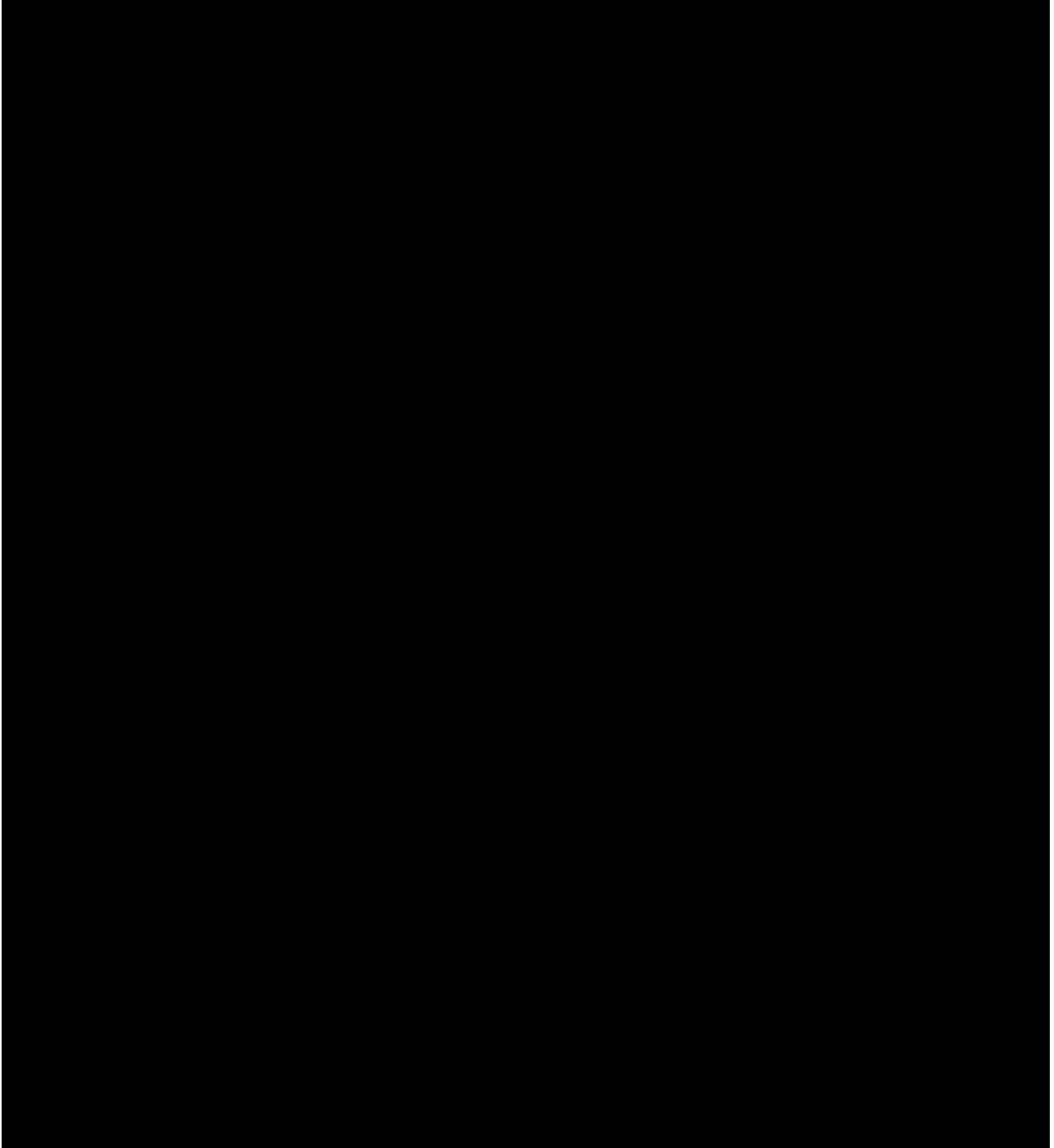
Official No. (if available)	Title	Country	Owner
	Automated mechanism for connection device alignment used in robotic environment and system of electrical coupling	United Kingdom	TRA Robotics Ltd
	Mechatronic Assembly System	United Kingdom	TRA Robotics Ltd
	Transportation platform for AGV equipped with hitch mechanism and method of connection	United Kingdom	TRA Robotics Ltd
	AGV Position Determination	United Kingdom	TRA Robotics Ltd
1909039.8	Automatic guided vehicles with integrated lifting apparatus	United Kingdom	TRA Robotics Limited
PCT/RU2018/000737	Sensor-free force/torque sensing in an articulated electromechanical actuator-driven robot	Patent Cooperation Treaty	TRA Robotics Limited
	A method for reducing overexposure of fiducial markers within a computer vision system	United Kingdom	TRA Robotics Ltd
1911019.6	A system and method for operating an autonomous mobile robot based on payload sensing	United Kingdom	TRA Robotics Limited
CN110856834A	Two-component adhesive dispenser with mixing unit replacement system	China	Arrival Robotics Ltd
3610941	Two-component adhesive dispenser with mixing unit replacement system	European Patent Convention	Arrival Robotics Ltd
1813468.4	Two-component adhesive dispenser with mixing unit replacement system	United Kingdom	TRA Robotics Limited
2019-149436	Two-component adhesive dispenser with mixing unit replacement system	Japan	TRA Robotics Ltd
10-2019-0100136	Two-component adhesive dispenser with mixing unit replacement system	Republic of Korea	TRA Robotics Ltd
US-2020-0055078-A1	Two-component adhesive dispenser with mixing unit replacement system	United States of America	Arrival Robotics Ltd
	Simulator assisted robotic manufacturing system and method	United Kingdom	TRA Robotics Ltd

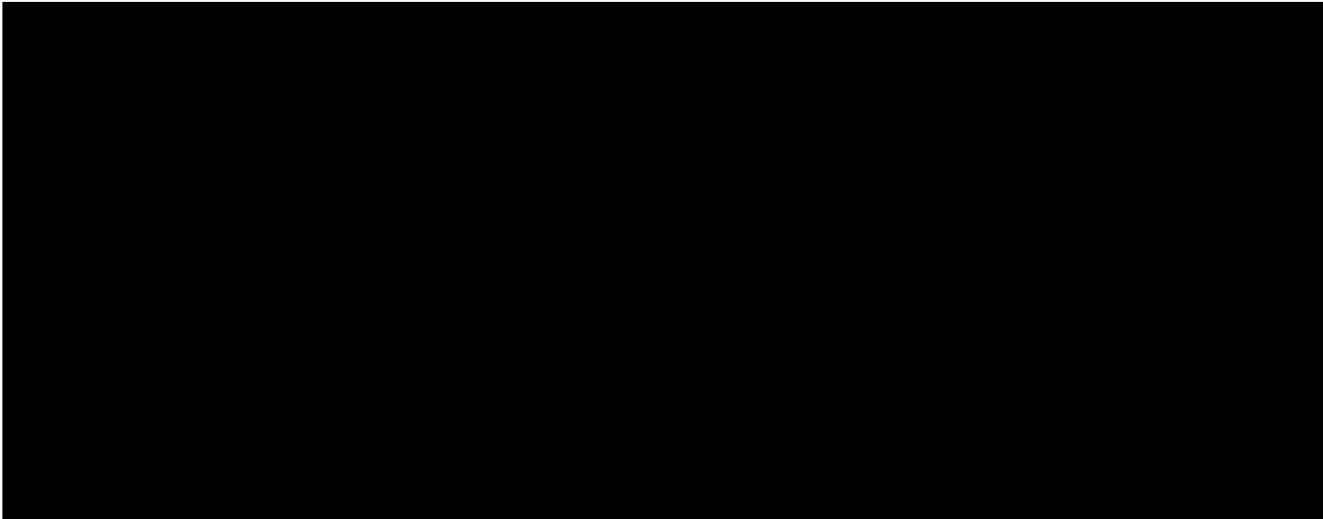
19203881.8	Hitch connection mechanism for automatic guided vehicles	European Patent Convention	Arrival Robotics Ltd
1817036.5	Hitch connection mechanism for automatic guided vehicles	United Kingdom	TRA Robotics Limited
1818474.7	Two wheel automatic guided vehicles	United Kingdom	TRA Robotics Limited
201911105723.7	Two wheel automatic guided vehicles	China	Arrival Robotics Ltd
19208815.1	Two wheel automatic guided vehicles	European Patent Convention	Arrival Robotics Ltd
16/682564	Two wheel automatic guided vehicles	United States of America	Arrival Robotics Ltd
19211971.7	Two wheel automatic guided vehicles used in combination	European Patent Convention	TRA Robotics Limited
2019-214652	Two wheel automatic guided vehicles used in combination	Japan	TRA Robotics Limited
10-2019-0154702	Two wheel automatic guided vehicles used in combination	Republic of Korea	TRA Robotics Limited
16/696579	Two wheel automatic guided vehicles used in combination	United States of America	Arrival Robotics Ltd
201911191335.5	Two wheel automatic guided vehicles used in combination	China	TRA Robotics Limited
1819352.4	Two wheel automatic guided vehicles used in combination	United Kingdom	TRA Robotics Limited
202010077499.1	Mobile robots having mechanical and data coupling mechanisms	China	TRA Robotics Limited
20154161.2	Mobile robots having mechanical and data coupling mechanisms	European Patent Convention	Arrival Robotics Ltd
1901339.0	Mobile robots having mechanical and data coupling mechanisms	United Kingdom	TRA Robotics Limited
16/777611	Mobile robots having mechanical and data coupling mechanisms	United States of America	Arrival Robotic Limited
202010077498.7	STORAGE SYSTEM AND ASSOCIATED PLATFORM FEEDER	China	TRA Robotics Limited
20154151.3	STORAGE SYSTEM AND ASSOCIATED PLATFORM FEEDER	European Patent Convention	Arrival Robotics Ltd
1901118.8	Storage platform feeder	United Kingdom	TRA Robotics Limited
16/774837	Storage platform feeder	United States of America	TRA Robotics Limited
	Universal controller for industrial manufacturing robots	United Kingdom	TRA Robotics Ltd
	System and Method for Robot Motion Optimization	United Kingdom	TRA Robotics Ltd
	Design Flow	United Kingdom	TRA Robotics Ltd

	System and method for determining locations And orientations of objects in a robot cell	United Kingdom	TRA Robotics Ltd
	System and method for determining locations And orientations of objects in a robot cell	United Kingdom	TRA Robotics Ltd
	An automated method for initial data set improvement used at intellectual system with machine learning algorithms for computer vision	United Kingdom	TRA Robotics Ltd
20162255.2	A method for determining positional error within a robotic cell environment	European Patent Convention	Arrival Robotics Limited
	Lifting apparatus supported by two wheel automatic guided vehicles	China	TRA Robotics Limited
	Lifting apparatus supported by two wheel automatic guided vehicles	European Patent Convention	TRA Robotics Limited
	Lifting apparatus supported by two wheel automatic guided vehicles	United States of America	TRA Robotics Limited
20159931.3	Calibration system and method for robotic cells	European Patent Convention	Arrival Robotics Limited
202010111337.5	Wireless battery charging system for automated guided vehicles	China	Arrival Robotics Ltd
20159143.5	Wireless battery charging system for automated guided vehicles	European Patent Convention	Arrival Robotics Ltd
16/797811	Wireless battery charging system for automated guided vehicles	United States of America	Arrival Robotics Ltd
1903289.5	A method for determining positional error within a robotic cell environment	United Kingdom	TRA Robotics Limited
1902471.0	Wireless battery charging system for automated guided vehicles	United Kingdom	TRA Robotics Limited
1902813.3	Calibration system and method for robotic cells	United Kingdom	TRA Robotics Limited
1904978.2	A method for determining camera placement within a robotic cell environment	United Kingdom	TRA Robotics Limited
1904316.5	Emergency braking system for a mobile robot	United Kingdom	TRA Robotics Limited
1904413.0	Lifting apparatus supported by two wheel automatic guided vehicles	United Kingdom	TRA Robotics Limited

1904979.0	System and method for flexible manufacturing	United Kingdom	TRA Robotics Limited
1905982.3	A system for preventing collisions in a robotic cell environment	United Kingdom	TRA Robotics Limited
1906140.7	Robot motion optimization system and method	United Kingdom	TRA Robotics Limited
1905513.6	System and method for flexible manufacturing	United Kingdom	TRA Robotics Limited
1906618.2	Method for creating cargo carrying platforms used with automated guided vehicle robots	United Kingdom	TRA Robotics Limited
1906777.6	Two-Component Dispensing Tool with Cartridge Replacement Mechanism	United Kingdom	TRA Robotics Limited

TRA trade marks





Companies House

Companies House does not verify the accuracy of the information filed (<http://resources.companieshouse.gov.uk/serviceInformation.shtml#compInfo>).

ARRIVAL ROBOTICS LTD

Company number **10406723**

- [Officers](#)
- [Persons with significant control \(https://beta.companieshouse.gov.uk/company/10406723/persons-with-significant-control\)](https://beta.companieshouse.gov.uk/company/10406723/persons-with-significant-control)

Filter officers

<input checked="" type="checkbox"/> Current officers
<input type="button" value="Apply filter"/>

1 current officers

REID, Andrew

Correspondence address **3 Charlbury Grove, Ealing, London, England, United Kingdom, W5 2DY**

Role Active **Director**

Date of birth **April 1966**

Appointed on **13 January 2017**

Nationality **British**

Country of residence **England**

Occupation **None**

[Tell us what you think of this service\(link opens a new window\) \(https://www.research.net/r/S78XJMV\)](https://www.research.net/r/S78XJMV) [Is there anything wrong with this page?\(link opens a new window\) \(https://beta.companieshouse.gov.uk/help/feedback?sourceurl=https://beta.companieshouse.gov.uk/company/10406723/officers\)](https://beta.companieshouse.gov.uk/help/feedback?sourceurl=https://beta.companieshouse.gov.uk/company/10406723/officers)

Companies House

Companies House does not verify the accuracy of the information filed (<http://resources.companieshouse.gov.uk/serviceInformation.shtml#compInfo>).

ARRIVAL LIMITED

Company number **09475811**

- [Officers](#)
- [Persons with significant control](https://beta.companieshouse.gov.uk/company/09475811/persons-with-significant-control) (<https://beta.companieshouse.gov.uk/company/09475811/persons-with-significant-control>)

Filter officers

<input checked="" type="checkbox"/> Current officers
<input type="button" value="Apply filter"/>

4 current officers

HOLBROW, Tim

Correspondence address **Beaumont House, Avonmore Road, London, England, W14 8TS**

Role Active **Director**

Date of birth **July 1975**

Appointed on **27 September 2019**

Nationality **British**

Country of residence **England**

Occupation **Chartered Accountant**

JULIUS, Anthony Robert

Correspondence address **Beaumont House, Avonmore Road, London, England, W14 8TS**

Role Active **Director**

Date of birth **July 1956**

Appointed on **7 April 2020**

Nationality **British**

Country of residence **United Kingdom**

Occupation **Solicitor**

RUGOOBUR, Avinash

Correspondence address **Beaumont House, Avonmore Road, London, England, W14 8TS**

Role Active **Director**

Date of birth **June 1981**

Appointed on **28 January 2020**

Nationality **British**

Country of residence **United Kingdom**

Occupation **Engineer**

SAINT, Glenn Craig

Correspondence address **71-75, Shelton Street, Covent Garden, London, United Kingdom, WC2H 9JQ**

PATENT
REEL: 054407 FRAME: 0659

Role Active **Director**

Date of birth **April 1963**

Appointed on **6 March 2015**

Nationality **British**

Country of residence **United Kingdom**

Occupation **Company Director**

[Tell us what you think of this service\(link opens a new window\) \(https://www.research.net/r/S78XJMV\)](https://www.research.net/r/S78XJMV) [Is there anything wrong with this page?\(link opens a new window\) \(https://beta.companieshouse.gov.uk/help/feedback?sourceurl=https://beta.companieshouse.gov.uk/company/09475811/officers\)](https://beta.companieshouse.gov.uk/help/feedback?sourceurl=https://beta.companieshouse.gov.uk/company/09475811/officers)