505802672 12/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5849501

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroyuki WATABE	11/15/2019

RECEIVING PARTY DATA

Name:	DENSO TEN LIMITED	
Street Address:	2-28, GOSHO-DORI 1-CHOME	
Internal Address:	HYOGO-KU	
City:	KOBE-SHI, HYOGO	
State/Country:	JAPAN	
Postal Code:	652-8510	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16619220

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

Phone: 703-836-6400 Email: email@oliff.com Correspondent Name: JAMES A. OLIFF Address Line 1: **OLIFF PLC**

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 189608 NAME OF SUBMITTER: KIMBERLY SCOTT SIGNATURE: /Kimberly C. Scott/ for James A. Oliff **DATE SIGNED:** 12/04/2019

Total Attachments: 1

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PATENT REEL: 051175 FRAME: 0116

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U.S. ASSIGNMENT

DENSO TEN Limited	
2-28, Gosho-dori 1-chome, Hyogo-ku, Kobe-shi	, Hyogo 652-8510 Japan
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hereinafter, "ASSIGNEE"), the receipt of which is hereby ac ASSIGNEE the cotice and exclusive right, title and interest to Title of Invention)	cknowledged, the undersigned ASSIGNOR hereby sells, assigns and manafers to the invention entitled
TERMINAL DEVICE AND COLLECTION M	ETHOD
(a) executed on	(Insert date of execution of application, if not concurrent) Assignce's attorney is hereby authorized to insert in (b) the specified data, when known.
mbetitute, reissue or rescamination application based thereon, including any extensions thereof (collectively, hereinafter, "se	WEE and without charge to but at the expense of said ASSIGNEE, to do all acts
which the ASSIGNEE may deem necessary, desirable or exponding in the preparation and prosecution of said applicable regarding, and in any literation of said applicable.	edient, for securing, maintaining and enforcing protection for said invention, on(s) and the issuance of said Lotters Patent(s), in any interference, reiszuc, or other less) proceeding which may arise or be declared in relation to same, and
which the ASSIGNEE may deem necessary, desirable or expo- neluding in the preparation and prosecution of said application reexamination, or public use proceeding, and in any litigation sets to include but not be limited to executing all papers, inch	edient, for securing, maintaining and enforcing protection for said invention, on(s) and the issuance of said Letters Patent(s), in any interference, reiszne, or other legal proceeding which may arise or be declared in relation to same, and unding separate assignments and declarations, taking all rightful outle, providing the separate assignments and declarations, taking all rightful outle, providing the separate assignments and declarations.
which the ASSIGNEE may deem necessary, desirable or expendenting in the preparation and prosecution of said application examination, or public use proceeding, and in any litigation acts to include but not be limited to executing all papers, inchewom testimony, and obtaining and producing evidence.	edient, for securing, maintaining and enforcing protection for said invention, on(s) and the issuance of said Letters Patent(s), in any interference, reisant, or other legal proceeding which may arise or be declared in relation to same, suc uding separate assignments and declarations, taking all rightful castis, providing