# 504889482 04/27/2018

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT	NEW ASSIGNMENT   ASSIGNMENT	
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ONVEYING PARTY	Υ DATA			
		Name Ex	ecution Date	
NORIHIDE SATO		04/0	04/2018	
RECEIVING PARTY	DATA			
Name:	NTN C	NTN CORPORATION		
Street Address:	3-17, ł	3-17, KYOMACHIBORI 1-CHOME		
Internal Address:	NISHI-	NISHI-KU, OSAKA-SHI		
City:	OSAK	OSAKA		
State/Country:	JAPAN	JAPAN		
Postal Code:	550-00	03		
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ATTORNEY DOCKET NO.

## UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

#### ASSIGNMENT

		Application No.	Filed
Insert Name(s) of Inventor(s)	800	WHEREAS,	Norihide SATO
		******	
Insert Title of Invention	<b>99¢</b> -	Cleaning App	ted as the undersigned) has (have) invented certain new and useful improvements in aratus, Spherical Object Cleaning System, and Method for merical Object
Insert Date of Signing of Application Insert Name	1000	undersigned (except	ation for Letters Patent of the United States of America has been executed by the in the case of a provisional application).      April 4, 2018   ; and
of Assignee	886	WHEREAS,	NTN Corporation
Insert Address of Assignee	988\$-	of <u>3-17, Kyc</u> Japan	machibori 1-chome, Nishi-ku, Osaka-shi, Osaka 550-0003
CHECK BOX	- 300}-	desirous of acquir Letters Patent(s) In any and all f	ors, legal representatives and assigns (hereinafter designated as the Assignee) is ing the entire right, title and interest in and to said invention and in and to any that may be granted therefor in the United States of America and oreign countries. EFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in

how, THEREFORE, in consideration of the sum of Ten Dollars (\$10,00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

> PATENT REEL: 045656 FRAME: 0761

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of McDermott Will & Emery LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date	April 4,2018.	Name of Inventor Norihide Sato Norihide SATO
(2) Date		Name of Inventor
(3) Date	· ·	Name of Inventor
(4) Date	·	Name of Inventor
(5) Date		Name of Inventor
(6) Date		Name of Inventor
(7) Date		Name of Inventor

### PATENT REEL: 045656 FRAME: 0762

## **RECORDED: 04/27/2018**