PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7776782

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANASONIC CORPORATION	11/10/2014

RECEIVING PARTY DATA

Name:	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.		
Street Address:	1-61, SHIROMI 2-CHOME, CHUO-KU, OSAKA-SHI		
City:	OSAKA		
State/Country:	JAPAN		
Postal Code:	540-6207		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16786582	

CORRESPONDENCE DATA

Fax Number: (408)773-6177

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: 866-877-4883

Email: patents@ascendalaw.com
Correspondent Name: ASCENDA LAW GROUP, PC
Address Line 1: 2150 N. FIRST STREET

Address Line 2: SUITE 420

Address Line 4: SAN JOSE, CALIFORNIA 95131

ATTORNEY DOCKET NUMBER:	5109-SOV-0709-C
NAME OF SUBMITTER:	TAREK N. FAHMI
SIGNATURE:	/Tarek N. Fahmi/
DATE SIGNED:	02/02/2023

Total Attachments: 2

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PATENT 507729637 REEL: 062577 FRAME: 0278

Assignment

Whereas, Panasonic Corporation of 1006, Oaza Kadoma, Kadoma-shi, Osaka

571-8501, JAPAN, hereinafter referred to as "Assignor", is the owner of the entire right, title and

interest in United States Patents mentioned in the attached schedule; and

Whereas, Panasonic Intellectual Property Management Co., Ltd., of 1-61, Shiromi

2-chome, Chuo-ku, Osaka-shi, Osaka 540-6207 Japan, hereinafter referred to as "Assignee",

desires to acquire the entire right, title and interest of the Assignor in the said U.S. Patents;

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, the

above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, its

successors and assigns, the entire right, title and interest in the said U.S. Patents, and any

reissues or re-examinations thereof, together with all claims for damages by reason of past

infringement of the said U.S. Patents with the right to Assignee to sue for and collect the same for

their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has

been or will be made or entered into which would conflict with this Assignment.

Panasonic Corporation

Date: Nov., 10, 2014

Koichi Nomura

Authorized Signing Officer

Intellectual Property Center

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<Schedule>

Patent(s)

Application Number	Application Number	Application Number	Application Number
12/493364	14/499503	14/387705	14/391176
13/579537	14/499522	14/388448	14/371267
14/484282	14/380419	14/388522	14/388923
14/496146	14/384247	14/387492	14/388998
14/517049	14/388002	14/384657	14/387696
14/518291	14/388070	14/529052	14/389018
14/511648	14/377564	14/498877	14/389557
14/387761	14/386252	14/498596	14/374662
14/382510	14/388248	14/514048	14/385342
14/387565	14/386639	14/388213	14/387588
14/387022	14/388136	14/387434	14/387419
14/382883	14/395411	14/387441	14/391310
14/388864	14/387312	14/389006	14/501979
14/491254	14/387703	14/389952	14/526494
14/490708	14/384089	14/394581	14/501943
14/497505	14/383233	14/381312	14/494800
14/384545	14/382889	14/389988	14/527503
14/380764	14/382975	14/388963	14/476639
14/380950	14/381251	14/381644	14/496051
14/387088	14/382908	14/391530	14/496055
14/382605	14/388449	14/389231	14/498101
14/497975	14/389048	14/375339	14/499437
14/498011	14/387460	14/495365	14/510173
14/493656	14/388352	14/495016	14/500112
14/389621	14/388265	14/388409	14/509263
14/498002	-	-	-

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PATENT
RECORDED: **0**2/0**7**/20**23** REEL: 062577 FRAME: 0280