PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4725023

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EUNSUNG YI	12/06/2017
JIHOON JO	12/06/2017
YONGHEE LEE	12/06/2017
NAM JUG KIM	12/06/2017
NAM KYUNG KIM	12/06/2017
JIYOON BANG	12/06/2017
BEOM SEOK JANG	12/06/2017
HONGSEOK CHOI	12/06/2017
DONGWOO KIM	12/06/2017
MINKYU LEE	12/06/2017
YEONSEONG CHAE	12/06/2017
YONG SEOK HONG	12/06/2017
CHEOLHYEON JO	12/06/2017
JIHAE KIM	12/06/2017
JINWOO KIM	12/06/2017
MIN HYEONG KIM	12/07/2017
JIN KYUNG LYU	12/06/2017
SEYOUNG JANG	12/06/2017
YUNJUNG WOO	12/06/2017
EUNSOOK JIN	12/06/2017

RECEIVING PARTY DATA

Name:	NHN ENTERTAINMENT CORPORATION
Street Address:	16, DAEWANGPANGYO-RO 645BEON-GIL
Internal Address:	BUNDANG-GU, GYEONGGI-DO
City:	SEONGNAM-SI
State/Country:	KOREA, REPUBLIC OF
Postal Code:	13487

PROPERTY NUMBERS Total: 1

PATENT REEL: 044338 FRAME: 0484

504678301

Property Type	Number
Application Number:	15835826

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P7737US00
NAME OF SUBMITTER:	HAE-CHAN PARK
SIGNATURE:	/Hae-Chan Park/
DATE SIGNED:	12/08/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

source=P7737US00 Executed Assignment serving as Declaration#page1.tif source=P7737US00 Executed Assignment serving as Declaration#page2.tif source=P7737US00 Executed Assignment serving as Declaration#page3.tif source=P7737US00 Executed Assignment serving as Declaration#page4.tif source=P7737US00 Executed Assignment serving as Declaration#page5.tif source=P7737US00 Executed Assignment serving as Declaration#page6.tif source=P7737US00 Executed Assignment serving as Declaration#page7.tif

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PATENT REEL: 044338 FRAME: 0485

ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same

NHN Entertainment Corporation

to:

16, Daewangpangyo-ro 645beon-gil Bundang-gu, Seongnam-si, Gyeonggi-do 13487 Republic of Korea

NHN Entertainment Corporation herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

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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.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

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Docket No. <u>P7737US00</u>

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RECORDED: 12/08/2017