504576327 10/02/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4623038

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTIJS OSKAR VAN DEVENTER	07/09/2014

RECEIVING PARTY DATA

Name:	KONINKLIJKE KPN N.V.
Street Address:	MAANPLEIN 55
City:	THE HAGUE
State/Country:	NETHERLANDS
Postal Code:	2516 CK
Name:	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO
Street Address:	SCHOEMAKERSTRAAT 97
City:	DELFT
State/Country:	NETHERLANDS
Postal Code:	2628 VK

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14369994

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	14-1082-WO-US
NAME OF SUBMITTER:	THOMAS J. LOOS
SIGNATURE:	/Thomas J. Loos/
DATE SIGNED:	10/02/2017

PATENT 504576327 REEL: 043759 FRAME: 0623

Total Attachments: 2

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PATENT REEL: 043759 FRAME: 0624

ASSIGNMENT

Case No.: 14-1082-WO-US App No.: 14/369,994
Inventor(s): Mattijs Oskar VAN DEVENTER, Filing Date: June 30, 2014

Ray VAN BRANDENBURG, and Omar Aziz NIAMUT

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

Koninklijke KPN N.V.

Maanplein 55 2516 CK, The Hague, The Netherlands, and

Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek TNO Schoemakerstraat 97 2628 VK, Delft, The Netherlands,

their successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

CONTROLLED STREAMING OF SEGMENTED CONTENT

and identified as:

Case No. 14-1082-WO-US

in the offices of McDonnell Boehnen Hulbert & Berghoff LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the application number and the filing date of said application when officially known.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further

MCDONNELL BOEHNEN HULBERT 8 BERGHOFF LLF 300 SOUTH WACKER DRIVE CHICAGO, ILLINOIS 60606 TELEPHONE (312) 913-0001

1

warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and yest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Signature: Name:

Mattiis Oskar VAN DEVENTER

Date: 09-07-2014

Signature:

Name:

av VAN BRANDENBURG

Date: /6 - 07 - 70/

Signature:

Name: Omar Aziz NIAMUT

Date: 1/ /7 /2019

MODONNELL BOEHNEN HULBERT & BERGHOFF LLP 300 BOUTH WACKER DRIVE CHICAGO, ILLINGIS 805(8 TELEPHONE (812) 813-0001

RECORDED: 10/02/2017

2

PATENT REEL: 043759 FRAME: 0626