504546543 09/13/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4593251

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MITESH K. DESAI	05/10/2011
HENRIQUE FILGUEIRAS	05/10/2011
AMER A. HASSAN	05/09/2011
MUKUND SANKARANARAYAN	05/10/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15685306

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ATTORNEY DOCKET NUMBER: 331205-US-CNT NAME OF SUBMITTER: LORI BISHOP SIGNATURE: /Lori Bishop/ **DATE SIGNED:** 09/13/2017

Total Attachments: 2

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PATENT REEL: 043580 FRAME: 0711 504546543

PATENT ASSIGNMENT

I/WE, Mitesh K. Desai; Henrique Filgueiras; Amer A. Hassan; and Mukund Sankaranarayan ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MASS RE-FORMATION OF GROUPS IN A PEER-TO-PEER NETWORK" ("APPLICATION"), which:

- will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210, who are associated with customer number 45840, to insert here in parenthesis (Application No. 13/106638, filed May 12, 2011 this APPLICATION's Application No. and filing date, when known;
- was filed on and was given Application No. Not Yet Assigned;
- filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

Inventor's Signature Date Printed Name in Native Language

Date

Inventor's Signature

/ 10/0011 Henrique Filgueir

Printed Name in Native Language

PATENT REEL: 043580 FRAME: 0712

MS Docket No. 331205.01 (OC Docket No. M1103.70933US00)

PATENT ASSIGNMENT

Inventor's Signature

Printed Name in Native Language

Inventor's Signature

Date

Printed Name in Native Language

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PATENT REEL: 043580 FRAME: 0713

RECORDED: 09/13/2017