PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3034929

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANANTHARAMAN GANESH	12/17/2013
MICHAEL ANDREW HART	12/17/2013

RECEIVING PARTY DATA

Name:	SYMANTEC CORPORATION
Street Address:	350 ELLIS STREET
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14135441

CORRESPONDENCE DATA

Fax Number: (973)597-2400

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: (973) 597-2500

Email: gpowers@lowenstein.com
Correspondent Name: LOWENSTEIN SANDLER LLP
Address Line 1: 65 LIVINGSTON AVENUE

Address Line 2: ATTN: PATENT DOCKET ADMINISTRATOR

Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	06224-458 (L0458)
NAME OF SUBMITTER:	RAHUL SHEKHER
SIGNATURE:	/Rahul Shekher/
DATE SIGNED:	09/23/2014

Total Attachments: 4

source=06224-458_L0458_Recorded_Assignment#page1.tif source=06224-458_L0458_Recorded_Assignment#page2.tif source=06224-458_L0458_Recorded_Assignment#page3.tif source=06224-458_L0458_Recorded_Assignment#page4.tif

PATENT 502988330 REEL: 033801 FRAME: 0678

ይ ምኒያኒስ እና 5 ይ ይም ኢ የም , ምኒያም ነው እ ማንም እ የምም - ይ የኢንኮኒያ - ያ.ም. ይ ምኒያ ኤኒኒ			
ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 06224.458 (L0458)		
For good and valuable consideration, the receipt and	·		
acknowledged, I/we, the undersigned, Anantharaman Gane	esh & Michael Andrew Hart,		
hereby sell, assign, and transfer to Symantec Corporation			
a corporation (Type of Assignee: e.g., corporation, company, partnership, university, c	of <u>Delaware</u>		
(Type of Assignee: e.g., corporation, company, partnership, university, of	e(c.)		
having a principal place of business at 350 Ellis Street, Mou	untain View, CA 94043 ,		
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled			
INFORMATION-DRIVEN FILE SYS	STEM NAVIGATION		
said patent application also identified as follows (when known	wn):		
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]			
United States Patent Application Number 14/135,441	filed December 19, 2013		
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;			
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and			
pr			

PATENT REEL: 033801 FRAME: 0679

assignment, grant, mortgage, licer	ee, its successors, assigns, and legal representatives that no use, or other agreement affecting the rights and property herein us by the undersigned, and that full right to convey the same as the undersigned.
Each Inventor: Pleas	e <u>Sign and Date</u> Below:
]2 4 20 3 Date	man
Date (Anartharaman Ganesh
Date	Michael Andrew Hart
	Assignment Document Return Address: Patent Docket Administrator Lowenstein Sandier LLP 65 Livingston Avenue Roseland, New Jersey 07068
	•

	Ţ	
ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 06224.458 (L0458)	
For good and valuable consideration, the receipt an	d sufficiency of which is hereby	
acknowledged, I/we, the undersigned, Anantharaman Gane	esh & Michael Andrew Hart,	
hereby sell, assign, and transfer to Symantec Corporation		
a <u>corporation</u> (Type of Assignee: e.g., corporation, company, partnership, university, e	of <u>Delaware</u>	
having a principal place of business at 350 Ellis Street, Mou		
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled		
INFORMATION-DRIVEN FILE SYS	STEM NAVIGATION	
said patent application also identified as follows (when known	wn):	
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]		
United States Patent Application Number 14/135,441	filed December 19, 2013	
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;		
agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and		

PATENT REEL: 033801 FRAME: 0681

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Date

Anantharaman Ganesh

Michael Andrew Hart

-2-

Assignment Document Return Address: Patent Docket Administrator Lowenstein Sandler LLP 65 Livingston Avenue Roseland, New Jersey 07068

Atty. Docket No. 06224.458 (L0458)

RECORDED: 09/23/2014

PATENT