

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4766510

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAVI NATARAJAN	12/18/2017
SRINIVASA YARRAKONDA	12/28/2017
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<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98119
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15857665
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<b>ATTORNEY DOCKET NUMBER:</b>	29553.4131 (11.4950U1)
<b>NAME OF SUBMITTER:</b>	MARY FRANCES HEEKS
<b>SIGNATURE:</b>	/Mary Frances Heeks/
<b>DATE SIGNED:</b>	01/09/2018
<b>Total Attachments: 2</b>	
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**PATENT APPLICATION  
ASSIGNMENT**

“WE”, Ravi Natarajan and Srinivasa Yarrakonda (“ASSIGNOR(S)”), have invented subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “METHODS FOR TOKEN REFRESHMENT BASED ON SINGLE SIGN-ON (SSO) FOR FEDERATED IDENTITY ENVIRONMENTS AND DEVICES THEREOF” (“PATENT APPLICATION”), which:

will be filed without this executed assignment (“ASSIGNMENT”). ASSIGNOR(S) hereby authorizes the legal representatives for F5 Networks, Inc., of LeClairRyan, a Professional Corporation, 70 Linden Oaks, Suite 210, Rochester, New York 14625, who are associated with customer number 64553, to insert here in parenthesis this PATENT APPLICATION’s U.S. Application Number and filing date, when known (U.S. App. No. 15/857,665, filed on December 29, 2017);

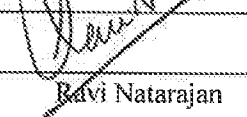
was filed as U.S. App. No. \_\_\_\_\_ filed on \_\_\_\_\_;

is filed concurrently herewith;

F5 Networks, Inc., 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 PATENT APPLICATION, including 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(S), the ASSIGNOR(S) hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the PATENT APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR(S) 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 PATENT APPLICATION (and APPLICATION DERIVATIVES).

<u>12/18/2017</u> DATE (Required)	 Ravi Natarajan
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12/28/17	Y. Srinivasa Reddy
DATE	Srinivasa Yarrakonda
(Required)	