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PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA

Name	Execution Date
COLUMBIA UNIVERSITY	08/29/2013

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12714766

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Invention Title: Apparatus, Method, Manufacture, and System for Providing Network Services
Inventor(s): Srinivasan Seetharaman, Apurv Bhartía, Sourabh Jain
U.S. Filing/Issue Date: 3/1/2010
Patent or Application Serial No.: 12/714,766
Grant/Contract Number(s): NSF 0831912
Foreign Applications filed/intended in (countries):
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PATENT REEL: 036161 FRAME: 0883