## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### CONVEYING PARTY DATA

Name	Execution Date
Arye Gittelman	11/29/2011
Petru Mihai Moldovanu	11/29/2011
Sterling John Crockett	11/29/2011
Patrick Carl Miller	11/30/2011

#### RECEIVING PARTY DATA

Name:	Microsoft Corporation
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13310991

## CORRESPONDENCE DATA

 Fax Number:
 (865)380-5999

 Phone:
 865-380-5980

Email: ccaudle@merchantgould.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER: 14917.1980US01/33433.01

NAME OF SUBMITTER: Christopher J. Leonard

Total Attachments: 3

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PATENT REEL: 027327 FRAME: 0724 OF \$40.00 1331099

M&G/MS Docket No.: 14917.1980US01/334331.01

## PATENT ASSIGNMENT

I/WE, Arye Gittelman, Petru Mihai Moldovanu, Sterling John Crockett and Patrick Carl Miller ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MINIMAL DOWNLOAD AND SIMULATED PAGE NAVIGATION FEATURES" ("APPLICATION"), which:

X	will be filed without this executed PATENT ASSIGNMENT.
	ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal
	representatives, of the Law and Corporate Affairs Department,
	Microsoft Corporation, One Microsoft Way, Redmond,
	Washington 98052, who are associated with customer number
	27488, to insert here in parenthesis (Application No. $\frac{13/310,991}{}$ ,
	filed 05-DEC-2011) this APPLICATION's Application No. and filing
	date, when known;
	was filed on and was given Application No
	;
	is 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);

# PATENT ASSIGNMENT

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	11/29/2011 Date
Arye Gittelman	
Printed Name in English	Printed Name in Native Language (if other than English)

10/29/2011 Date
Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT

Inventor's Signature	Nov. 29,2011
Sterling John Crockett Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature

Patrick Carl Miller

Printed Name in English

Printed Name in Native Language (if other than English)