PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas J. Ball	10/08/2009
Eleonora O. Bounimova	10/06/2009
Vladimir A. Levin	10/06/2009
Rahul Kumar	10/06/2009

RECEIVING PARTY DATA

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Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12576253

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ATTORNEY DOCKET NUMBER:	327817.01
NAME OF SUBMITTER:	Medha Kajla

Total Attachments: 2

PATENT REEL: 023367 FRAME: 0289 .H \$40.00 12

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PATENT REEL: 023367 FRAME: 0290

PATENT ASSIGNMENT

Kumar ("ASSIGNOR"), have invented subjection of the claimed in a patent application entitled Abstraction and Refinement" ("APPLICATION") will be filed without this entire hereby authorizes, and require the Law and Corporate Affa Microsoft Way, Redmond, Wordstomer number 69316, to, filed, filed, filing date, when known;	executed PATENT ASSIGNMENT. ASSIGNOR quests, ASSIGNEE'S legal representatives, of irs Department, Microsoft Corporation, One Washington 98052, who are associated with poinsert here in parenthesis (Application No) this APPLICATION's Application No. and d was given Application No
successors and assigns ("ASSIGNEE"), is enemire and exclusive rights, title and interest (and all other applications and patents applications, in and for the United States ("APPLICATION DERIVATIVES")); For good and valuable consider acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive right the APPLICATION (and APPLICATION DERIVATION ASSIGNOR agrees to execute all insteading and prosecution of the APPLICATION	truments and documents required for the TION (and APPLICATION DERIVATIVES), for nerefrom, and for the purpose of protecting
Inventor's Signature Thomas J. Ball	10/8/2009 Date
Printed Name in English	Printed Name in Native Language (if

other than English)

MS Docket No.: <u>327817.01</u>

PATENT ASSIGNMENT

MS Docket No.: <u>327817.01</u>

ventor's Signature	10/06/2009 Date
leonora O. Bounimova	
rinted Name in English	Printed Name in Native Language (if other than English)
	10/06/2009

#Wentor's Signature Date

Rahul Kumar

Printed Name in English Printed Name in Native Language (if other than English)

Printed Name in Native Language (if

other than English)

Vladimir A. Levin

RECORDED: 10/14/2009

Printed Name in English