

PATENT ASSIGNMENT

Electronic Version v07
 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT	APPLICATION NUMBER 10/709346
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST	

CONVEYING PARTY DATA

Name	Execution Date
David D. Needelman	2003-12-23
Richard A. Fowell	2004-03-07
Peter C. Lai	2003-12-27
Yeong-Wei A. Wu	2004-03-04
Bruce N. Eyerly	2004-03-09
Jonathan French	2004-03-04

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
The Boeing Company			Chicago	ILLINOIS	60606-1596

CORRESPONDENCE DATA

FAX NUMBER: 248-223-9522

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 027256

NAME OF PERSON SIGNING:	Kevin G. Mierzwa
DATE SIGNED:	2004-04-29

Total Attachments: 7
 source=0459assign1.tif
 source=0459assign2.tif
 source=0459assign3.tif
 source=0459assign4.tif
 source=0459assign5.tif
 source=0459assign6.tif
 source=0459assign7.tif

CH \$40.00 500476 000000

ASSIGNMENT

Page 1 of 2

PD-03-0196

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a **METHOD AND APPARATUS FOR REAL-TIME STAR EXCLUSION FROM A DATABASE** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on _____ as Serial No. _____; and

WHEREAS, **The Boeing Company**, (hereinafter referred to as **BOEING**), a corporation organized and existing under the laws of the State of Delaware, having a place of business at 100 North Riverside, Chicago, Illinois 60606-1596, with a mailing address of M/C 1640-2101, 15460 Laguna Canyon Road, Irvine, California 92618, US, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to **BOEING**, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said **BOEING**, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to **BOEING**, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by **BOEING**, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of **BOEING**, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in **BOEING**, its successors, assigns or other legal representatives.

ASSIGNMENT
Page 2 of 2
PD-03-0198

IN WITNESS WHEREOF, I have executed this instrument.

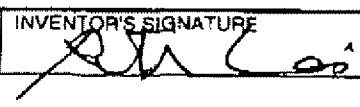
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
David D. Needelman	<i>David D. Needelman</i>	12/21/03
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
3119 W. 187 th Place, Torrance, CA 90504	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Rongsheng Li		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Richard A. Fowell		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
4804 Rockbluff Drive, Rolling Hills Estates, CA 90274	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peter C. Lai		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
424 La France Avenue, #C, Alhambra, CA 91801	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Yeong-Wei A. Wu		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Bruce N. Eyerly		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jonathan French		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
5122 Exeter Avenue, St. Louis, MO 63119	US	
POST OFFICE ADDRESS		
Same as residence		

ASSIGNMENT
Page 2 of 2
PD-03-0196

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR David D. Needelman	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 3119 W. 187 th Place, Torrance, CA 90504		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR Rongsheng Li	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR Richard A. Fowell	INVENTOR'S SIGNATURE <i>Richard A Fowell</i>	DATE 3/7/2004
RESIDENCE (CITY AND STATE) 4604 Rockbluff Drive, Rolling Hills Estates, CA 90274		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR Peter C. Lai	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 424 La France Avenue, #C, alhambra, CA 91801		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR Yeong-Wei A. Wu	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR Bruce N. Eyerly	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR Jonathan French	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 5122 Exeter Avenue, St. Louis, MO 63119		CITIZENSHIP US
POST OFFICE ADDRESS Same as residence		

IN WITNESS WHEREOF, I have executed this instrument.

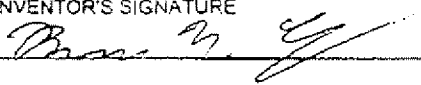
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
David D. Needelman		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
3119 W. 187 th Place, Torrance, CA 90504		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Rongsheng Li		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Richard A. Fowell		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
4604 Rockbluff Drive, Rolling Hills Estates, CA 90274		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peter C. Lal		12/17/2003
RESIDENCE (CITY AND STATE)		CITIZENSHIP
424 La France Avenue, #C, alhambra, CA 91801		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Yeong-Wei A. Wu		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Bruce N. Everly		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jonathan French		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
5122 Exeter Avenue, St. Louis, MO 63119		US
POST OFFICE ADDRESS		
Same as residence		

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
David D. Needelman		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
3119 W. 187 th Place, Torrance, CA 90504	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Rongsheng Li		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Richard A. Fowell		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
4604 Rockbluff Drive, Rolling Hills Estates, CA 90274	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peter C. Lai		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
424 La France Avenue, #C, alhambra, CA 91801	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Yeong-Wei A. Wu	<i>Yeong-Wei A. Wu</i>	3/4/04
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Bruce N. Eyerly		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jonathan French		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
5122 Exeter Avenue, St. Louis, MO 63119	US	
POST OFFICE ADDRESS		
Same as residence		

ASSIGNMENT
Page 2 of 2
PD-03-0196

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
David D. Needelman		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
3119 W. 187 th Place, Torrance, CA 90504	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Rongsheng Li		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Richard A. Fowell		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
4804 Rockbluff Drive, Rolling Hills Estates, CA 90274	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peter C. Lai		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
424 La France Avenue, #C, alhambra, CA 91801	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Yeong-Wei A. Wu		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Bruce N. Eyerly		2-9-07
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
2632 Woodbury Dr., Torrance, CA 90503	US	
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jonathan French		
RESIDENCE (CITY AND STATE)	CITIZENSHIP	
5122 Exeter Avenue, St. Louis, MO 63119	US	
POST OFFICE ADDRESS		
Same as residence		

ASSIGNMENT

Page 2 of 2

PD-03-0196

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
David D. Needleman		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
3119 W. 187 th Place, Torrance, CA 90504		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Rongsheng Li		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Richard A. Fowell		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
4604 Rockbluff Drive, Rolling Hills Estates, CA 90274		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Peter C. Lai		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
424 La France Avenue, #C, alhambra, CA 91801		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Yeong-Wei A. Wu		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Bruce N. Eyerly		
RESIDENCE (CITY AND STATE)		CITIZENSHIP
		US
POST OFFICE ADDRESS		
Same as residence		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jonathan French	<i>Jonathan French</i>	3/4/4
RESIDENCE (CITY AND STATE)		CITIZENSHIP
5122 Exeter Avenue, St. Louis, MO 63119		US
POST OFFICE ADDRESS		
Same as residence		

PATENT

RECORDED: 04/29/2004

REEL: 014554 FRAME: 0270