cummit(s) or cop(les). by Agreement cof Name mment priment Agencies) comment Agencies comment Agencies
rnment rmmant Agancies) Secret File g parties attached Execution Date Month Day Year July 23, 19 Execution Date Month Day Year is of receiving parties attached if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
rmment Agencies)
Secret File Month Day Year July 23, 19 Execution Oate Month Day Year July 23, 19 Execution Oate Month Day Year if document to be re if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
Month Day Year July 23, 19 Execution Date Month Day Year res of receiving parties attached if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
July 23, 19 Execution Oate Month Day Year res of receiving parties attached if document to be re is an assignment an receiving party is no domined in the Uni States, an appointm
nes of receiving parties attached if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
nes of receiving parties attached if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
if document to be re is an assignment an receiving party is no domiciled in the Uni States, an appointm
States, an appointm
or a comesuc
representative is att (Designation must b separate document
Assignment)
01773
Zin Code

REEL: 010725 FRAME: 0248

Expires 06:30/99 OMB 0651-0027	Page	2	U.S. Department of Commer Patent and Trademark Office PATENT
Correspondent Name	and Address Area Code and	Telephone Number	(617) 367-4600
Name Paul E.	Kudirka, Esq.		
Address (line 1) Kudirka	& Jobse, LLP	· · · ·	······································
Address (line 2) Two Cent	cer Plaza	· · · · •	Mantanta ya kulonaki kulonaki kulonan an
Address (line 3) Boston,	MA 02108		
Address (line 4)			
	tal number of pages of the attache ny attachments.	d conveyance docu	ment # 2
Application Number(s) Enter either the Patent Applie) or Patent Number(s) cation Number or the Patent Number (DO N		if additional numbers attached irs for the same property).
Patent Applicat	tion Number(s)	Pat	ent Number(s)
If this document is being filed tog	ether with a new Patent Application, enter t	he date the natent annlic	ation was Month Day Y
signed by the first named execution Patent Cooperation Tro Enter PCT applic only if a U.S. App	ng inventor. eaty (PCT) PCT /0899/1695		PCT PCT
Patent Cooperation Tre Enter PCT applic <u>only if</u> a U.S. App Has not been ass	ng inventor. eaty (PCT) PCT /0899/1695 sation number blication Number PCT signed.	3 PCT PCT	PCT PCT
Patent Cooperation Tre Enter PCT applic only if a U.S. App	ng inventor. eaty (PCT) PCT /0899/1695 sation number plication Number PCT	3 PCT PCT	РСТ
Patent Cooperation Tre Enter PCT applic <u>only if</u> a U.S. App Has not been ass	ng inventor. eaty (PCT) PCT /0399/1695 eation number plication Number PCT signed. Enter the total number of prop Fee Amount for Properties List	3 PCT PCT erties involved. ed (37 CFR 3.41):	PCT PCT
Patent Cooperation Tre Enter PCT applic only if a U.S. App Has not been ass Number of Properties Fee Amount Method of Payment: Deposit Account	ng inventor. eaty (PCT) PCT /US99/1695 eation number blication Number PCT signed. Enter the total number of prop Fee Amount for Properties Liste Enclosed Dep	3 PCT PCT erties involved. ed (37 CFR 3.41): posit Account	РСТ РСТ # 1
Patent Cooperation Tre Enter PCT applic only if a U.S. App Has not been ass Number of Properties Fee Amount Method of Payment: Deposit Account	ng inventor. eaty (PCT) PCT /0399/1695 eation number plication Number PCT signed. Enter the total number of prop Fee Amount for Properties List	3 PCT PCT erties involved. ed (37 CFR 3.41): posit Account arged to the account.}	PCT PCT # 1 \$40.00 # 02-3038
Patent Cooperation Trans Enter PCT applic only if a U.S. Applic Has not been ass Number of Properties Fee Amount Method of Payment: Deposit Account (Enter for payment by deposit)	ng inventor. Baty (PCT) PCT /US99/1695 sation number blication Number PCT signed. Enter the total number of prop Fee Amount for Properties Liste Enclosed Dep posit account or if additional fees can bee ch Deposit Account Nu Authorization to cha	3 PCT PCT erties involved. ed (37 CFR 3.41): posit Account arged to the account.) imber:	PCT PCT # 1 \$40.00 # 02-3038
Patent Cooperation Tre Enter PCT applic only if a U.S. App Has not been ass Number of Properties Fee Amount Method of Payment: Deposit Account (Enter for payment by deposit Statement and Signatu	ng inventor. PCT /US99/1695 ration number plication Number PCT signed. Enter the total number of prop Fee Amount for Properties Liste Enclosed Dep posit account or if additional fees can bee ch Deposit Account Nu Authorization to cha	3 PCT PCT erties involved. ed (37 CFR 3.41): posit Account arged to the account.) imber: arge additional fees	PCT PCT # 1 \$40.00 # 02-3038 Yes ∑ No □
Patent Cooperation Tre Enter PCT applic only if a U.S. App Has not been ass Number of Properties Fee Amount Method of Payment: Deposit Account (Enter for payment by deposit Statement and Signatu To the best of my	ng inventor. Baty (PCT) PCT /US99/1695 ration number polication Number PCT signed. Enter the total number of prop Fee Amount for Properties Liste Enclosed Deposit Account Nu Authorization to cha ITP y knowledge and belief, the foregoing a true copy of the original docume	3 PCT PCT erties involved. ed (37 CFR 3.41): posit Account arged to the account.) imber: arge additional fees ing information is tr	PCT PCT # 1 \$40.00 # 02-3038 Yes ⊠ No □
Patent Cooperation Trans Enter PCT applic only if a U.S. Applic Has not been assed Number of Properties Fee Amount Method of Payment: Deposit Account (Enter for payment by deposit Statement and Signatu To the best of my attached copy is	ng inventor. eaty (PCT) PCT /US99/1695 ration number blication Number PCT signed. Enter the total number of prop Fee Amount for Properties Liste Enclosed Deposit Account Nu Authorization to cha Ire y knowledge and belief, the foregoin a true copy of the original docume	3 PCT PCT erties involved. ed (37 CFR 3.41): posit Account arged to the account.) imber: arge additional fees ing information is tr	PCT PCT # 1 \$40.00 # 02-3038 Yes ⊠ No □ ue and correct and any

ASSIGNMENT OF PATENT APPLICATION Docket No. J0003/7001WO

Whereas I, the undersigned, have made certain inventions or discoveries (or both) set forth in a patent application under the Patent Cooperation Treaty ("PCT") entitled,

SEARCH SYSTEM AND METHOD BASED ON MULTIPLE ONTOLOGIES,

identified by Kudirka & Jobse, LLP, Docket No. J0003/7001WO, which application was executed by me on the date(s) indicated below, and

Whereas Jarg Corporation, a Delaware corporation having a place of business at 157 Bedford Road, Lincoln, Massachusetts 01773, which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which is hereby acknowledged, I do hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, Convention and non-Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

Assignment 1 of 2

PATENT REEL: 010725 FRAME: 0250



5.

Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to myself or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have executed this Assignment of Patent Application on the date indicated next to my name.

Date I signed the declaration:

_Today's Date: 7/23/99

Kenneth P. Baclawski

35 Fairmont Avenue, Waltham, Massachusetts 02453

State of Mass. SS County of _ Suffa

On this 23 day of Jum, 19<u>99</u>, before me appeared **Kenneth P. Baclawski**, to me known and known to me to be the person described in, and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[seal]

Notary Public My Con n Expires 2001

Known to me personally

Additional assignor name sheets attached.

Assignment 2 of 2

PATENT REEL: 010725 FRAME: 0251

RECORDED: 04/04/2000