

**ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-**

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)  
a) Interval Research Corporation
2. Name and address of receiving party(ies):  
a) Name: Vulcan Patents LLC  
b) Address: 505 Fifth Avenue South  
Suite 900  
Seattle, WA 98104
3. Nature of conveyance  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_ ☐ License Agreement

Execution Date: December 29, 2004

4. Application Number(s) or Patent Number(s): 6,400,828

The title of the (new) application is:

**CANONICAL CORRELATION ANALYSIS OF IMAGE/CONTROL-POINT LOCATION COUPLING  
FOR THE AUTOMATIC LOCATION OF CONTROL POINTS**

5. Please send all correspondence concerning this (these) documents to:

Customer No. 21912  
Van Pelt, Yi & James LLP  
10050 N. Foothill Blvd,  
Suite 200  
Cupertino, CA 95014  
408-973-2585

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed  
☒ The USPTO is hereby authorized to charge the fee and any deficiencies to Deposit Account No. 50-0685 (Order No. Atty Docket No. INT1P876)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: June 15, 2005

\_\_\_\_\_  
Lee Van Pelt  
Registration No. 38,352

Attorney Docket No. INT1P876

(Revised 01/96)

700189250

**PATENT**  
**REEL: 016377 FRAME: 0001**

CH \$40.00 500685 6400828

## ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS, effective as of the 29th day of December, 2004, is entered into by and between **INTERVAL RESEARCH CORPORATION**, a Washington corporation with its principal place of business at 3200 Ash Street, Palo Alto, CA 94306 ("Assignor") and **VULCAN PATENTS LLC**, a California corporation with its principal place of business at 505 Fifth Avenue South, Suite 900, Seattle, Washington 98104 ("Assignee").

### RECITALS

WHEREAS, Assignor, is the owner of the Patents and Patent applications identified in **EXHIBIT A**; and

WHEREAS, Assignee, wishes to acquire the entire rights, title, and interest in the Patents and Patent applications.

In accordance therewith, Assignor desires to transfer and assign to Assignee, and Assignee desires to accept the transfer and assignment of all of Assignor's worldwide right, title and interest in, to and under Assignor's issued and pending domestic and foreign patents and patent applications, including without limitation the patents and patent applications listed on **EXHIBIT A** and any other Patents or Patent applications filed by Assignor based on technology developed on or before April 30, 2000, annexed hereto and incorporated herein by reference (all of the foregoing being referred to herein as the "Patents").

NOW, THEREFORE, Assignor, for and in exchange of certain valuable consideration, the receipt of which is hereby acknowledged, does hereby transfer and assign to Assignee, and Assignee hereby accepts the transfer and assignment of all of Assignor's worldwide right, title and interest in, to and under the Patents, together with the goodwill of the business associated therewith and which is symbolized thereby, all rights to sue for infringement of any Patent, whether arising prior to or subsequent to the date of this Assignment of Patents, and any and all renewals and extensions thereof that may hereafter be secured under the laws now or hereafter in effect in the United States, Canada and in any other jurisdiction, the same to be held and enjoyed by the said Assignee, its successors and assigns from and after the date hereof as fully and entirely as the same would have been held and enjoyed by the said Assignor had this Assignment of Patents not been made.

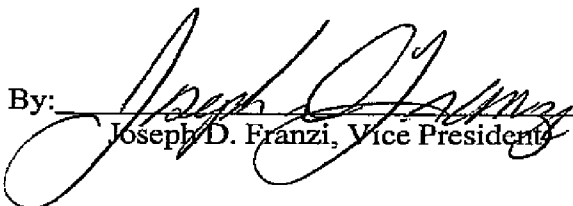
Except to the extent that federal law preempts state law with respect to the matters covered hereby, this Assignment of Patents shall be governed by and construed in accordance with the laws of the State of California without giving effect to the principles of conflicts of laws thereof.

*[Signature Pages Follow]*

IN WITNESS WHEREOF, Assignor has caused its duly and authorized officer to execute this Assignment of Patents as of the above written date.

**INTERVAL RESEARCH CORPORATION,**  
a Washington corporation

By: \_\_\_\_\_

  
Joseph D. Franzi, Vice President

**VULCAN PATENTS LLC,**  
a California limited liability company

By: \_\_\_\_\_

  
Nathaniel T. Brown, Vice President

**EXHIBIT A**

**PATENTS AND PATENT APPLICATIONS**

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
1	INT1P002	08/607388	6,144,773	2/27/1996	ISSUED
2	INT1P002-DE	97914842.6	0883864	8/5/1998	ISSUED
3	INT1P002-EP	97914842.6	0883864	8/5/1998	ISSUED
4	INT1P002-FR	97914842.6	0883864	8/5/1998	ISSUED
5	INT1P002-GB	97914842.6	0883864	8/5/1998	ISSUED
6	INT1P002-JP	9-531195		8/27/1998	PENDING
7	INT1P003	08/675,104	5,953,686	7/3/1996	ISSUED
8	INT1P003C1	09/204,857	6,047,249	12/3/1998	ISSUED
9	INT1P005	09/087,449	6,381,280	5/29/1998	ISSUED
10	INT1P005+	60/050,933		5/30/1997	CONVERTED
11	INT1P005-DE	98925057.6	0985193	11/16/1999	ISSUED
12	INT1P005-EP	98925057.6	0985193	11/16/1999	ISSUED
13	INT1P005-FR	98925057.6	0985193	11/16/1999	ISSUED
14	INT1P005-GB	98925057.6	0985193	11/16/1999	ISSUED
15	INT1P005-JP	11/501003		11/29/1999	PENDING
16	INT1P012	09/017,450	6,151,564	2/2/1998	ISSUED
17	INT1P014	09/018,023	6,167,353	2/2/1998	ISSUED
18	INT1P017	09/079,101		5/14/1998	PENDING
19	INT1P017-AU	40790/99	768853	11/9/2000	ISSUED
20	INT1P017-DE	99924241.5		12/1/2000	GRANTED
21	INT1P017-EP	99924241.5		12/1/2000	GRANTED
22	INT1P017-GB	99924241.5		12/1/2000	GRANTED
23	INT1P017-JP	2000-549027		11/14/2000	PENDING
24	INT1P018	09/103,265	6,108,612	6/23/1998	ISSUED
25	INT1P021	09/144,951	6,417,663	9/1/1998	ISSUED
26	INT1P022	09/079,104	6,516,030	5/14/1998	ISSUED
27	INT1P023	09/079,049	6,229,929	5/14/1998	ISSUED
28	INT1P024	09/079,427	6,396,948	5/14/1998	ISSUED
29	INT1P025	09/199,040	6,650,338	11/24/1998	ISSUED
30	INT1P026	09/444,226	6,570,924	11/19/1999	ISSUED
31	INT1P026+	60/109,323		11/20/1998	CONVERTED
32	INT1P026C1	10/397,663		3/25/2003	PENDING
33	INT1P027	09/306,688		5/6/1999	PENDING
34	INT1P028	09/351,262	6,717,507	7/12/1999	ISSUED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
35	INT1P029	09/351,995	6,611,673	7/12/1999	ISSUED
36	INT1P029C1	10/458,004		6/9/2003	PENDING
37	INT1P031	09/468,691	6,760,884	12/21/1999	ISSUED
38	INT1P031+	60/147,873		8/9/1999	CONVERTED
39	INT1P034	09/841,687		4/23/2001	PENDING
40	INT1P034+	60/198,895		4/21/2000	CONVERTED
41	INT1P102	08/839,767	6,215,898	4/15/1997	ISSUED
42	INT1P102-AU	69502/98	716654	4/21/1998	ISSUED
43	INT1P102C1	09/641,610	6,456,737	8/17/2000	ISSUED
44	INT1P102C2	10/020,862		12/14/2001	PENDING
45	INT1P102-JP	10-543972		1/26/1999	PENDING
46	INT1P103	09/285,511	6,424,820	4/21/1999	ISSUED
47	INT1P104	09/336,522	6,407,736	6/18/1999	ISSUED
48	INT1P104C1	10/172,812	6,611,264	6/13/2002	ISSUED
49	INT1P201	09/356,485	6,198,668	7/19/1999	ISSUED
50	INT1P204	09/514,056	6,574,793	2/25/2000	ISSUED
51	INT1P204C1	10/417,798		4/17/2003	PENDING
52	INT1P206	09/656,638	6,757,682	9/7/2000	ISSUED
53	INT1P206+	60/178,627		1/28/2000	CONVERTED
54	INT1P206C1	10/800,393		3/12/2004	PENDING
55	INT1P207	09/789,926		2/20/2001	PENDING
56	INT1P207+	60/185,182		2/25/2000	CONVERTED
57	INT1P209	09/656,518	6,556,989	9/7/2000	ISSUED
58	INT1P209C1	10/377,262		2/28/2003	PENDING
59	INT1P210	09/658,346	6,721,744	9/7/2000	ISSUED
60	INT1P211	09/656,538		9/6/2000	PENDING
61	INT1P212	09/838,708		4/18/2001	ALLOWED
62	INT1P212C1			12/7/2004	PENDING
63	INT1P23-DE	97916971.1	0890171	9/24/1998	ISSUED
64	INT1P23-GB	97916971.1	0890171	9/24/1998	ISSUED
65	INT1P801	5/172,637	5,461,711	12/22/1993	ISSUED
66	INT1P801C1	08/509,165	5,600,777	7/31/1995	ISSUED
67	INT1P801-JP	517538/95		6/24/1996	PENDING
68	INT1P801-MX	172,637	185135	6/22/1996	ISSUED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
69	INT1P802	08/280,185	5,563,951	7/25/1994	ISSUED
70	INT1P803	08/401,171	5,574,467	3/9/1995	ISSUED
71	INT1P805	08/575,302	5,601,353	12/20/1995	ISSUED
72	INT1P806	08/429,031	5,608,723	4/26/1995	ISSUED
73	INT1P807	08/400,901	5,617,477	3/18/1995	ISSUED
74	INT1P808	08/477,096	5,638,832	6/7/1995	ISSUED
75	INT1P809	08/385,760	5,664,019	2/8/1995	ISSUED
76	INT1P810	08/417,310	5,680,465	4/5/1995	ISSUED
77	INT1P810C1	08/887,793	5,953,434	7/3/1997	ISSUED
78	INT1P811	08/480,231	5,682,434	6/7/1995	ISSUED
79	INT1P812	08/482,759	5,687,245	6/7/1995	ISSUED
80	INT1P813	08/529,370	5,694,474	9/18/1995	ISSUED
81	INT1P814	08/531,176	5,694,475	9/19/1995	ISSUED
82	INT1P815	08/475,349	5,711,308	6/7/1995	ISSUED
83	INT1P816	08/637,552	5,724,313	4/25/1996	ISSUED
84	INT1P817	08/826,477	5,737,436	3/27/1997	ISSUED
85	INT1P817C1	08/826,477	5,737,436	3/27/1997	ISSUED
86	INT1P819	08/711,468	5,757,929	9/11/1996	ISSUED
87	INT1P820	08/410,855	5,780,738	3/27/1995	ISSUED
88	INT1P821	08/692,385	5,790,182	8/5/1996	ISSUED
89	INT1P822	08/565,951	5,815,579	12/1/1995	ISSUED
90	INT1P825-EP	97945327.1		9/30/1997	PENDING
91	INT1P826	08/429,343	5,832,296	4/26/1995	ISSUED
92	INT1P826-DE	96907118.2	0823082	10/24/1997	ISSUED
93	INT1P826-EP	96907118.2	0823082	10/24/1997	ISSUED
94	INT1P826-FR	96907118.2	0823082	10/24/1997	ISSUED
95	INT1P826-GB	96907118.2	0823082	10/24/1997	ISSUED
96	INT1P827	08/440,206	5,855,015	5/12/1995	ISSUED
97	INT1P827-EP	96906633.1		2/26/1996	PENDING
98	INT1P827-JP	528425/96		9/19/1997	PENDING
99	INT1P828	5/620,949	5,880,788	3/25/1996	ISSUED
100	INT1P829	08/610,638	5,889,843	3/4/1996	ISSUED
101	INT1P829-JP	9-531551	3321178	3/3/1997	ISSUED
102	INT1P829-KR	706943/1998	436362	3/3/1997	ISSUED

## VULCAN PATENTS LLC

No.	ATTY/DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
103	INT1P831	8/625,171	5,924,115	3/29/1996	ISSUED
104	INT1P837	09/010,879	6,003,998	1/22/1998	ISSUED
105	INT1P841	09/033,211	6,011,754	3/2/1998	ISSUED
106	INT1P844	09/021,780	6,038,493	2/11/1998	ISSUED
107	INT1P851	08/909,402	6,091,832	8/11/1997	ISSUED
108	INT1P851+	60/023,830		8/12/1996	CONVERTED
109	INT1P868	08/620,641	6,301,367	6/11/1998	ISSUED
110	INT1P869	08/620,641	6,034,652	3/22/1996	ISSUED
111	INT1P869C2	09/528,803	6,788,314	3/20/2000	ISSUED
112	INT1P869C3	10/152,241	6,750,880	5/20/2002	ISSUED
113	INT1P869C4	10/840,670		5/5/2004	PENDING
114	INT1P869-DE	97916153.6	0888604	3/21/1997	ISSUED
115	INT1P869-EP	97916153.6	0888604	3/21/1997	ISSUED
116	INT1P869-FR	97916153.6	0888604	3/21/1997	ISSUED
117	INT1P869-JP	533,741/97		9/22/1998	PENDING
118	INT1P870	08/896,928	6,624,846	7/18/1997	ISSUED
119	INT1P871	08/761,025	6,172,675	12/5/1996	ISSUED
120	INT1P872	08/761,030	6,263,507	12/5/1996	ISSUED
121	INT1P872C1	09/344,213		6/25/1999	ALLOWED
122	INT1P872C2	09/866,956		5/29/2001	PENDING
123	INT1P873	09/394,857	6,529,183	9/13/1999	ISSUED
124	INT1P873C1	10/349,635		1/22/2003	PENDING
125	INT1P874	09/283,770		3/31/1999	PENDING
126	INT1P875C1	08/728,102	5,816,823	10/9/1996	ISSUED
127	INT1P875C2	09/167,172	6,075,967	10/6/1998	ISSUED
128	INT1P876	09/781,229	6,400,828	2/13/2001	ISSUED
129	INT1P876C1	10/145,580	6,628,821	5/13/2002	ISSUED
130	INT1P877C1	08/771,947	6,821,186	12/23/1996	ISSUED
131	INT1P877C1-JP			9/5/1997	PENDING
132	INT1P877C2	10/888,800		7/8/2004	PENDING
133	INT1P878	10/076,938	6,720,876	2/14/2002	ISSUED
134	INT1P879	09/414,514		10/8/1999	PENDING
135	INT1P880	09/102,101	6,188,777	6/22/1998	ISSUED
136	INT1P880C1	09/726,425	6,445,810	12/1/2000	ISSUED



## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED/PAT. NO.	FILING DATE	STATUS
137	INT1P881	08/659,227	5,828,994	6/5/1996	ISSUED
138	INT1P881-AU	1997/28294	719955	5/12/1997	ISSUED
139	INT1P881-CA	2,257,298		12/4/1998	PENDING
140	INT1P882	08/651,108	6,188,776	5/21/1996	ISSUED
141	INT1P886	09/660,914		9/13/2000	ALLOWED
142	INT1P886+	60/172,152		12/17/1999	CONVERTED
143	INT1P886C1	10/944,456		9/17/2004	PENDING
144	INT1P887	09/318,790	6,356,669	5/26/1999	ISSUED
145	INT1P887+	60/086,642		5/26/1998	CONVERTED
146	INT1P888	08/769,056	6,570,991	12/18/1996	ISSUED
147	INT1P889	08/693,004	5,969,716	8/6/1996	ISSUED
148	INT1P889-AU	38110/97	730965	7/28/1997	ISSUED
149	INT1P889C1	09/406,923	6,243,087	9/28/1999	ISSUED
150	INT1P889C2	09/818,659	6,320,598	3/28/2001	ISSUED
151	INT1P889-DE	97935086.5	0917715	7/28/1997	ISSUED
152	INT1P889-EP	97935086.5	0917715	2/19/1999	ISSUED
153	INT1P889-FR	97935086.5	0917715	7/28/1997	ISSUED
154	INT1P889-GB	97935086.5	0917715	7/28/1997	ISSUED
155	INT1P889-JP	507968/98		2/8/1999	PENDING
156	INT1P891	09/520,964		3/8/2000	PENDING
157	INT1P891+	60/123,329		3/8/1999	CONVERTED
158	INT1P892C1	08/956,928	6,009,204	10/23/1997	ISSUED
159	INT1P892C2	09/276,867	6,259,817	3/26/1999	ISSUED
160	INT1P892-DE	96931565.4	0804774	9/13/1996	GRANTED
161	INT1P892-EP	96931565.4	0804774	9/13/1996	GRANTED
162	INT1P892-FR	96931565.4	0804774	9/13/1996	GRANTED
163	INT1P892-GB	96931565.4	0804774	9/13/1996	ISSUED
164	INT1P893	09/715,901		11/18/2000	PENDING
165	INT1P893+	60/166,528		11/18/1999	CONVERTED
166	INT1P894	09/724,786		11/28/2000	PENDING
167	INT1P894+	60/198,039		4/18/2000	CONVERTED
168	INT1P895	09/356,246	6,647,359	7/16/1999	ISSUED
169	INT1P896	09/056,354	6,018,118	4/7/1998	ISSUED
170	INT1P897	09/015,577	6,411,994	1/29/1998	ISSUED

## VULCAN PATENTS LLC

No.	ATTY. DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
171	INT1P897+	60/061,310		10/7/1997	CONVERTED
172	INT1P897C1	10/177,737		6/20/2002	PENDING
173	INT1P898	09/056,223	6,356,255	4/7/1998	ISSUED
174	INT1P898C1	09/991,132	6,556,184	11/16/2001	ISSUED
175	INT1P898C2	10/402,345		3/27/2003	PENDING
176	INT1P899	08/989,202	6,693,666	12/11/1997	ISSUED
177	INT1P899+	60/032,761		12/11/1996	CONVERTED
178	INT1P899C1	09/759,053		1/12/2001	PENDING
179	INT1P899C2	10/742,311		12/18/2003	PENDING
180	INT1P900	08/946,327	6,518,950	10/7/1997	ISSUED
181	INT1P900C1	08/948,891	6,076,734	10/10/1997	ISSUED
182	INT1P900C2	09/371,317	6,164,541	8/10/1999	ISSUED
183	INT1P900C3	09/721,032	6,439,459	11/24/2000	ISSUED
184	INT1P900C6	10/177,738	6,540,141	6/20/2002	ISSUED
185	INT1P900C7	10/268,117		10/8/2002	PENDING
186	INT1P901	09/060,221	6,256,638	4/14/1998	ISSUED
187	INT1P901+	60/068,780		12/24/1997	CONVERTED
188	INT1P901C1	09/841,796	6,587,859	4/24/2001	ISSUED
189	INT1P902	09/433,607	6,496,200	11/2/1999	ISSUED
190	INT1P902C1	10/282,914	6,803,924	10/28/2002	ISSUED
191	INT1P903	08/760,769	5,893,062	12/5/1996	ISSUED
192	INT1P903C1	09/239,455	6,360,202	1/28/1999	ISSUED
193	INT1P903C2	10/041,867	6,728,678	1/7/2002	ISSUED
194	INT1P903C3	10/783,627		2/20/2004	PENDING
195	INT1P903-DE	97954563.9	1057331	12/5/1996	ISSUED
196	INT1P903-EP	97954563.9	1057331	12/5/1996	ISSUED
197	INT1P903-GB	97954563.9	1057331	12/5/1996	ISSUED
198	INT1P904	09/567,053		5/8/2000	PENDING
199	INT1P905+	60/172,867		12/20/1999	CONVERTED
200	INT1P905C1	09/918,681		7/27/2001	PENDING
201	INT1P906	08/761,117	6,005,564	12/5/1996	ISSUED
202	INT1P906C1	09/408,759	6,259,441	9/29/1999	ISSUED
203	INT1P907	09/724,789		11/28/2000	PENDING
204	INT1P907+	60/198,034		4/18/2000	CONVERTED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
205	INT1P908	09/24,640		11/28/2000	PENDING
206	INT1P908+	60/198,036		4/18/2000	CONVERTED
207	INT1P909	09/24,939		11/28/2000	PENDING
208	INT1P909+	60/198,038		4/18/2000	CONVERTED
209	INT1P910+	60/172,980		12/20/1999	CONVERTED
210	INT1P910C1	09/918,789		7/27/2001	PENDING
211	INT1P911	09/344,327	6,525,711	6/24/1999	ISSUED
212	INT1P911C1	10/346,559		11/17/2003	PENDING
213	INT1P913	09/118,040	6,421,617	7/18/1998	ISSUED
214	INT1P914	09/724,956		11/28/2000	PENDING
215	INT1P914+	60/198,037		4/18/2000	CONVERTED
216	INT1P915+	60/111,317		12/7/1998	CONVERTED
217	INT1P916	09/169,750	6,351,271	10/9/1998	ISSUED
218	INT1P917	09/169,839		10/9/1998	PENDING
219	INT1P918+	60/001,875		8/3/1995	CONVERTED
220	INT1P918C1	08/801,085	6,262,711	2/14/1997	ISSUED
221	INT1P918C2	09/823,628		3/30/2001	ALLOWED
222	INT1P918-EP	96926240.1		2/3/1998	PENDING
223	INT1P918-KR	1998-700818		2/3/1998	GRANTED
224	INT1P919	09/169,638	6,754,546	10/9/1998	ISSUED
225	INT1P920	09/169,713	6,282,206	10/9/1998	ISSUED
226	INT1P920C1	09/847,201		5/2/2001	PENDING
227	INT1P921	08/531,143	6,002,776	9/18/1995	ISSUED
228	INT1P922	08/616,290	5,749,073	3/15/1996	ISSUED
229	INT1P923	08/620,949	5,880,788	3/25/1996	ISSUED
230	INT1P923-AU	199725446	716673	3/25/1997	ISSUED
231	INT1P923-CA	2,250,462	2,250,462	9/24/1998	ISSUED
232	INT1P923-EP	97916971.1	0890171	9/24/1998	ISSUED
233	INT1P923-FR	97916971.1	0890171	9/24/1998	ISSUED
234	INT1P923-NL	97916971.1	0890171	9/24/1998	ISSUED
235	INT1P924	09/199,799	6,343,150	11/25/1998	ISSUED
236	INT1P925+	60/114,808		1/5/1999	CONVERTED
237	INT1P925C1	09/556,723		4/21/2000	ALLOWED
238	INT1P925C2	10/764,309		1/22/2004	PENDING

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILED DATE	STATUS
239	INT1P926C1	09/557,169	6,563,532	4/21/2000	ISSUED
240	INT1P927C1	09/557,101	6,825,875	4/21/2000	ISSUED
241	INT1P928C1	09/557,081		4/21/2000	PENDING
242	INT1P929	09/369,340		8/6/1999	PENDING
243	INT1P929+	60/095,442		8/6/1998	CONVERTED
244	INT1P930	09/049,041	6,054,646	3/27/1998	ISSUED
245	INT1P931	09/050,896	6,173,260	3/31/1998	ISSUED
246	INT1P932	09/453,450	6,661,918	12/3/1999	ISSUED
247	INT1P932+	60/110,919		12/4/1998	CONVERTED
248	INT1P932C1	10/703,393		11/7/2003	PENDING
249	INT1P933	09/056,388	6,005,181	4/7/1998	ISSUED
250	INT1P934	09/233,690	6,049,034	1/19/1999	ISSUED
251	INT1P935	09/156,595	6,222,522	9/18/1998	ISSUED

**CONTRIBUTION OF ASSETS AGREEMENT**

This Contribution of Assets Agreement (this "Agreement") is effective as of December \_\_, 2004, by and between **INTERVAL RESEARCH CORPORATION**, a Washington corporation ("Interval"), and **VULCAN PATENTS LLC**, a California limited liability company ("Vulcan Patents"). Interval owns all right, title and interest in the assets described on **EXHIBIT A** attached hereto (the "Assets").

**RECITALS**

Interval desires to transfer the Assets as a contribution to Vulcan Patents' capital and Vulcan Patents desires to receive the Assets from Interval, as a contribution of capital from Interval.

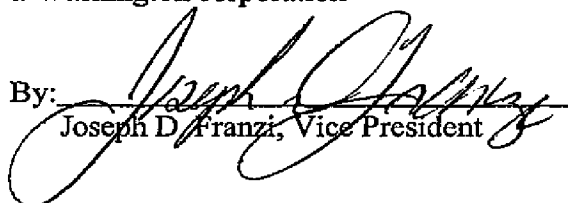
**AGREEMENT**

- 1. Contribution of Assets. Interval hereby contributes, assigns, transfers and conveys all of its right, title and interest in the Assets to Vulcan Patents, effective as of December \_\_, 2004. Vulcan Patents hereby accepts the contributed Assets.
  
- 2. Acceptance and Assumption. Vulcan Patents hereby accepts the assignment of the Assets and assumes and agrees to perform, from the effective date of this Agreement, the duties, obligations, payments, covenants, terms and conditions of the contracts, leases, and other agreements that are part of the Assets.
  
- 3. Governing Law. This Agreement shall be governed under the laws of the State of Washington, without giving effect to the conflict of law principals thereof.
  
- 4. Counterparts. This Agreement may be executed by facsimile signature and in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same agreement.


*[Signature Pages Follow]*

EFFECTIVE as of the \_\_\_\_ day of December, 2004.

INTERVAL RESEARCH CORPORATION,  
a Washington corporation

By:   
Joseph D. Franz, Vice President

VULCAN PATENTS LLC,  
a California limited liability company

By:   
Nathaniel T. Brown, Vice President

## **EXHIBIT A**

### **THE ASSETS**

1. All Patents and Patent applications identified in **APPENDIX I**, attached hereto (the "Patents").
2. All contracts, licenses, leases, licenses, agreements, permits, regulatory approvals and authorizations that relate to the Patents.
3. All technology and intellectual property, trade secrets and any other intangible property and goodwill associated with the Patents.
4. All books and records (including all data and other information stored on discs, tapes or other media) relating to the Patents.
5. All payments and sums deposited or advanced to a utility, governmental agency or any other party as a security deposit or in exchange for initiation of a service with respect to the Patents.
6. Any other assets owned, leased or held by Interval Research Corporation not assigned to Page Mill Hill LLC or Vulcan Research LLC or through other executed assignment agreements that are related to the Patents, but excluding all equity securities held by Interval Research Corporation.

**APPENDIX I**  
**PATENTS AND PATENT APPLICATIONS**



## VULCAN PATENTS LLC

No.	ATTY DCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
1	INT1P002	08/607,388	6,144,773	2/27/1996	ISSUED
2	INT1P002-DE	97914842.6	0883864	8/5/1998	ISSUED
3	INT1P002-EP	97914842.6	0883864	8/5/1998	ISSUED
4	INT1P002-FR	97914842.6	0883864	8/5/1998	ISSUED
5	INT1P002-GB	97914842.6	0883864	8/5/1998	ISSUED
6	INT1P002-JP	9-531195		8/27/1998	PENDING
7	INT1P003	08/675,104	5,953,686	7/3/1996	ISSUED
8	INT1P003C1	09/204,857	6,047,249	12/3/1998	ISSUED
9	INT1P005	09/087,449	6,381,280	5/29/1998	ISSUED
10	INT1P005+	60/050,933		5/30/1997	CONVERTED
11	INT1P005-DE	98925057.6	0985193	11/16/1999	ISSUED
12	INT1P005-EP	98925057.6	0985193	11/16/1999	ISSUED
13	INT1P005-FR	98925057.6	0985193	11/16/1999	ISSUED
14	INT1P005-GB	98925057.6	0985193	11/16/1999	ISSUED
15	INT1P005-JP	11/501003		11/29/1999	PENDING
16	INT1P012	09/017,450	6,151,564	2/2/1998	ISSUED
17	INT1P014	09/018,023	6,167,353	2/2/1998	ISSUED
18	INT1P017	09/079,101		5/14/1998	PENDING
19	INT1P017-AU	40790/99	768853	11/9/2000	ISSUED
20	INT1P017-DE	99924241.5		12/1/2000	GRANTED
21	INT1P017-EP	99924241.5		12/1/2000	GRANTED
22	INT1P017-GB	99924241.5		12/1/2000	GRANTED
23	INT1P017-JP	2000-549027		11/14/2000	PENDING
24	INT1P018	09/103,265	6,108,612	6/23/1998	ISSUED
25	INT1P021	09/144,951	6,417,663	9/1/1998	ISSUED
26	INT1P022	09/079,104	6,516,030	5/14/1998	ISSUED
27	INT1P023	09/079,049	6,229,929	5/14/1998	ISSUED
28	INT1P024	09/079,427	6,396,948	5/14/1998	ISSUED
29	INT1P025	09/199,040	6,650,338	11/24/1998	ISSUED
30	INT1P026	09/444,226	6,570,924	11/19/1999	ISSUED
31	INT1P026+	60/109,323		11/20/1998	CONVERTED
32	INT1P026C1	10/397,663		3/25/2003	PENDING
33	INT1P027	09/306,688		5/6/1999	PENDING
34	INT1P028	09/351,262	6,717,507	7/12/1999	ISSUED

## VULCAN PATENTS LLC

NO.	ATTY DCKET NO.	APPLICATION NO.	ISSUED PAT NO.	FILING DATE	STATUS
35	INT1P029	09/351,995	6,611,673	7/12/1999	ISSUED
36	INT1P029C1	10/458,004		6/9/2003	PENDING
37	INT1P031	09/468,691	6,760,884	12/21/1999	ISSUED
38	INT1P031+	60/147,873		8/9/1999	CONVERTED
39	INT1P034	09/841,687		4/23/2001	PENDING
40	INT1P034+	60/198,895		4/21/2000	CONVERTED
41	INT1P102	08/839,767	6,215,898	4/15/1997	ISSUED
42	INT1P102-AU	69/502/98	716654	4/21/1998	ISSUED
43	INT1P102C1	09/641,610	6,456,737	8/17/2000	ISSUED
44	INT1P102C2	10/020,862		12/14/2001	PENDING
45	INT1P102-JP	10-543972		1/26/1999	PENDING
46	INT1P103	09/285,511	6,424,820	4/21/1999	ISSUED
47	INT1P104	09/336,522	6,407,736	6/18/1999	ISSUED
48	INT1P104C1	10/172,812	6,611,264	6/13/2002	ISSUED
49	INT1P201	09/356,485	6,198,668	7/19/1999	ISSUED
50	INT1P204	09/614,056	6,574,793	2/25/2000	ISSUED
51	INT1P204C1	10/417,798		4/17/2003	PENDING
52	INT1P206	09/656,638	6,757,682	9/7/2000	ISSUED
53	INT1P206+	60/178,627		1/28/2000	CONVERTED
54	INT1P206C1	10/800,393		3/12/2004	PENDING
55	INT1P207	09/789,926		2/20/2001	PENDING
56	INT1P207+	60/185,182		2/25/2000	CONVERTED
57	INT1P209	09/656,518	6,556,989	9/7/2000	ISSUED
58	INT1P209C1	10/377,262		2/28/2003	PENDING
59	INT1P210	09/658,346	6,721,744	9/7/2000	ISSUED
60	INT1P211	09/656,538		9/6/2000	PENDING
61	INT1P212	09/838,708		4/18/2001	ALLOWED
62	INT1P212C1			12/7/2004	PENDING
63	INT1P23-DE	97/916971.1	0890171	9/24/1998	ISSUED
64	INT1P23-GB	97/916971.1	0890171	9/24/1998	ISSUED
65	INT1P801	5/172,637	5,461,711	12/22/1993	ISSUED
66	INT1P801C1	08/509,165	5,600,777	7/31/1995	ISSUED
67	INT1P801-JP	517538/95		6/24/1996	PENDING
68	INT1P801-MX	172,637	185135	6/22/1996	ISSUED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
69	INT1P802	08/280,185	5,563,951	7/25/1994	ISSUED
70	INT1P803	08/401,171	5,574,467	3/9/1995	ISSUED
71	INT1P805	08/575,302	5,601,353	12/20/1995	ISSUED
72	INT1P806	08/429,031	5,608,723	4/26/1995	ISSUED
73	INT1P807	08/400,901	5,617,477	3/18/1995	ISSUED
74	INT1P808	08/477,096	5,638,832	6/7/1995	ISSUED
75	INT1P809	08/385,760	5,664,019	2/8/1995	ISSUED
76	INT1P810	08/417,310	5,680,465	4/5/1995	ISSUED
77	INT1P810C1	08/887,793	5,953,434	7/3/1997	ISSUED
78	INT1P811	08/480,231	5,682,434	6/7/1995	ISSUED
79	INT1P812	08/482,759	5,687,245	6/7/1995	ISSUED
80	INT1P813	08/529,370	5,694,474	9/18/1995	ISSUED
81	INT1P814	08/531,176	5,694,475	9/19/1995	ISSUED
82	INT1P815	08/475,349	5,711,308	6/7/1995	ISSUED
83	INT1P816	08/637,552	5,724,313	4/25/1996	ISSUED
84	INT1P817	08/826,477	5,737,436	3/27/1997	ISSUED
85	INT1P817C1	08/826,477	5,737,436	3/27/1997	ISSUED
86	INT1P819	08/711,468	5,757,929	9/11/1996	ISSUED
87	INT1P820	08/410,855	5,780,738	3/27/1995	ISSUED
88	INT1P821	08/692,385	5,790,182	8/5/1996	ISSUED
89	INT1P822	08/565,951	5,815,579	12/1/1995	ISSUED
90	INT1P825-EP	97945327.1		9/30/1997	PENDING
91	INT1P826	08/429,343	5,832,296	4/26/1995	ISSUED
92	INT1P826-DE	96907118.2	0823082	10/24/1997	ISSUED
93	INT1P826-EP	96907118.2	0823082	10/24/1997	ISSUED
94	INT1P826-FR	96907118.2	0823082	10/24/1997	ISSUED
95	INT1P826-GB	96907118.2	0823082	10/24/1997	ISSUED
96	INT1P827	08/440,206	5,855,015	5/12/1995	ISSUED
97	INT1P827-EP	96906633.1		2/26/1996	PENDING
98	INT1P827-JP	528425/96		9/19/1997	PENDING
99	INT1P828	5/620,949	5,880,788	3/25/1996	ISSUED
100	INT1P829	08/610,638	5,889,843	3/4/1996	ISSUED
101	INT1P829-JP	9-531551	3321178	3/3/1997	ISSUED
102	INT1P829-KR	706943/1998	436362	3/3/1997	ISSUED

## VULCAN PATENTS LLC

No.	ATTY DCKET NO.	APPLICATION NO.	ISSUED/PAT NO.	FILING DATE	STATUS
103	INT1P831	8/625,171	5,924,115	3/29/1996	ISSUED
104	INT1P837	09/010,879	6,003,998	1/22/1998	ISSUED
105	INT1P841	09/033,211	6,011,754	3/2/1998	ISSUED
106	INT1P844	09/021,780	6,038,493	2/1/1998	ISSUED
107	INT1P851	08/909,402	6,091,832	8/11/1997	ISSUED
108	INT1P851+	60/023,830		8/12/1996	CONVERTED
109	INT1P868	08/620,641	6,301,367	6/11/1998	ISSUED
110	INT1P869	08/620,641	6,034,652	3/22/1996	ISSUED
111	INT1P869C2	09/528,803	6,788,314	3/20/2000	ISSUED
112	INT1P869C3	10/152,241	6,750,880	5/20/2002	ISSUED
113	INT1P869C4	10/840,670		5/5/2004	PENDING
114	INT1P869-DE	97916153,6	0888604	3/21/1997	ISSUED
115	INT1P869-EP	97916153,6	0888604	3/21/1997	ISSUED
116	INT1P869-FR	97916153,6	0888604	3/21/1997	ISSUED
117	INT1P869-JP	533,741/97		9/22/1998	PENDING
118	INT1P870	08/896,928	6,624,846	7/18/1997	ISSUED
119	INT1P871	08/761,025	6,172,675	12/5/1996	ISSUED
120	INT1P872	08/761,030	6,263,507	12/5/1996	ISSUED
121	INT1P872C1	09/344,213		6/25/1999	ALLOWED
122	INT1P872C2	09/866,956		5/29/2001	PENDING
123	INT1P873	09/394,857	6,529,183	9/13/1999	ISSUED
124	INT1P873C1	10/349,635		1/22/2003	PENDING
125	INT1P874	09/283,770		3/31/1999	PENDING
126	INT1P875C1	08/728,102	5,816,823	10/9/1996	ISSUED
127	INT1P875C2	09/167,172	6,075,967	10/6/1998	ISSUED
128	INT1P876	09/781,229	6,400,828	2/13/2001	ISSUED
129	INT1P876C1	10/145,580	6,628,821	5/13/2002	ISSUED
130	INT1P877C1	08/771,947	6,821,186	12/23/1996	ISSUED
131	INT1P877C1-JP			9/5/1997	PENDING
132	INT1P877C2	10/888,800		7/8/2004	PENDING
133	INT1P878	10/076,938	6,720,876	2/14/2002	ISSUED
134	INT1P879	09/414,514		10/8/1999	PENDING
135	INT1P880	09/102,101	6,188,777	6/22/1998	ISSUED
136	INT1P880C1	09/726,425	6,445,810	12/1/2000	ISSUED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED/PAT. NO.	FILEING DATE	STATUS
137	INT1P881	08/659,227	5,828,994	6/5/1996	ISSUED
138	INT1P881-AU	199728294	719955	5/12/1997	ISSUED
139	INT1P881-CA	2,257,298		12/4/1998	PENDING
140	INT1P882	08/651,108	6,188,776	5/21/1996	ISSUED
141	INT1P886	09/660,914		9/13/2000	ALLOWED
142	INT1P886+	60/172,152		12/17/1999	CONVERTED
143	INT1P886C1	10/944,456		9/17/2004	PENDING
144	INT1P887	09/318,790	6,356,669	5/26/1999	ISSUED
145	INT1P887+	60/086,642		5/26/1998	CONVERTED
146	INT1P888	08/769,056	6,570,991	12/18/1996	ISSUED
147	INT1P889	08/693,004	5,969,716	8/6/1996	ISSUED
148	INT1P889-AU	38110/97	730965	7/28/1997	ISSUED
149	INT1P889C1	09/406,923	6,243,087	9/28/1999	ISSUED
150	INT1P889C2	09/818,659	6,320,598	3/28/2001	ISSUED
151	INT1P889-DE	97935086.5	0917715	7/28/1997	ISSUED
152	INT1P889-EP	97935086.5	0917715	2/19/1999	ISSUED
153	INT1P889-FR	97935086.5	0917715	7/28/1997	ISSUED
154	INT1P889-GB	97935086.5	0917715	7/28/1997	ISSUED
155	INT1P889-JP	507968/98		2/8/1999	PENDING
156	INT1P891	09/520,964		3/8/2000	PENDING
157	INT1P891+	60/123,329		3/8/1999	CONVERTED
158	INT1P892C1	08/956,928	6,009,204	10/23/1997	ISSUED
159	INT1P892C2	09/276,867	6,259,817	3/26/1999	ISSUED
160	INT1P892-DE	96931565.4	0804774	9/13/1996	GRANTED
161	INT1P892-EP	96931565.4	0804774	9/13/1996	GRANTED
162	INT1P892-FR	96931565.4	0804774	9/13/1996	GRANTED
163	INT1P892-GB	96931565.4	0804774	9/13/1996	ISSUED
164	INT1P893	09/715,901		11/18/2000	PENDING
165	INT1P893+	60/166,528		11/18/1999	CONVERTED
166	INT1P894	09/724,786		11/28/2000	PENDING
167	INT1P894+	60/198,039		4/18/2000	CONVERTED
168	INT1P895	09/356,246	6,647,359	7/16/1999	ISSUED
169	INT1P896	09/056,354	6,018,118	4/7/1998	ISSUED
170	INT1P897	09/015,577	6,411,994	1/29/1998	ISSUED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
171	INT1P897+	60/061,310		10/7/1997	CONVERTED
172	INT1P897C1	10/177,737		6/20/2002	PENDING
173	INT1P898	09/056,223	6,356,255	4/7/1998	ISSUED
174	INT1P898C1	09/991,132	6,556,184	11/16/2001	ISSUED
175	INT1P898C2	10/402,345		3/27/2003	PENDING
176	INT1P899	08/989,202	6,693,666	12/11/1997	ISSUED
177	INT1P899+	60/032,761		12/11/1996	CONVERTED
178	INT1P899C1	09/759,053		1/12/2001	PENDING
179	INT1P899C2	10/742,311		12/18/2003	PENDING
180	INT1P900	08/946,327	6,518,950	10/7/1997	ISSUED
181	INT1P900C1	08/948,891	6,076,734	10/10/1997	ISSUED
182	INT1P900C2	09/371,317	6,164,541	8/10/1999	ISSUED
183	INT1P900C3	09/721,032	6,439,459	11/24/2000	ISSUED
184	INT1P900C6	10/177,738	6,540,141	6/20/2002	ISSUED
185	INT1P900C7	10/268,117		10/8/2002	PENDING
186	INT1P901	09/060,221	6,256,638	4/14/1998	ISSUED
187	INT1P901+	60/068,780		12/24/1997	CONVERTED
188	INT1P901C1	09/841,796	6,587,859	4/24/2001	ISSUED
189	INT1P902	09/433,607	6,496,200	11/21/1999	ISSUED
190	INT1P902C1	10/282,914	6,803,924	10/28/2002	ISSUED
191	INT1P903	08/760,769	5,893,062	12/5/1996	ISSUED
192	INT1P903C1	09/239,455	6,360,202	1/28/1999	ISSUED
193	INT1P903C2	10/041,867	6,728,678	1/7/2002	ISSUED
194	INT1P903C3	10/783,627		2/20/2004	PENDING
195	INT1P903-DE	97954563.9	1057331	12/5/1996	ISSUED
196	INT1P903-EP	97954563.9	1057331	12/5/1996	ISSUED
197	INT1P903-GB	97954563.9	1057331	12/5/1996	ISSUED
198	INT1P904	09/567,053		5/8/2000	PENDING
199	INT1P905+	60/172,867		12/20/1999	CONVERTED
200	INT1P905C1	09/918,681		7/27/2001	PENDING
201	INT1P906	08/761,117	6,005,564	12/5/1996	ISSUED
202	INT1P906C1	09/408,759	6,259,441	9/29/1999	ISSUED
203	INT1P907	09/724,789		11/28/2000	PENDING
204	INT1P907+	60/198,034		4/18/2000	CONVERTED

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT. NO.	FILING DATE	STATUS
205	INT1P908	09/24,640		11/28/2000	PENDING
206	INT1P908+	60/198,036		4/18/2000	CONVERTED
207	INT1P909	09/24,939		11/28/2000	PENDING
208	INT1P909+	60/198,038		4/18/2000	CONVERTED
209	INT1P910+	60/172,980		12/20/1999	CONVERTED
210	INT1P910C1	09/918,789		7/27/2001	PENDING
211	INT1P911	09/344,327	6,525,711	6/24/1999	ISSUED
212	INT1P911C1	10/346,559		1/17/2003	PENDING
213	INT1P913	09/118,040	6,421,617	7/18/1998	ISSUED
214	INT1P914	09/724,956		11/28/2000	PENDING
215	INT1P914+	60/198,037		4/18/2000	CONVERTED
216	INT1P915+	60/111,317		12/7/1998	CONVERTED
217	INT1P916	09/169,750	6,351,271	10/9/1998	ISSUED
218	INT1P917	09/169,839		10/9/1998	PENDING
219	INT1P918+	60/001,875		8/3/1995	CONVERTED
220	INT1P918C1	08/801,085	6,262,711	2/14/1997	ISSUED
221	INT1P918C2	09/823,628		3/30/2001	ALLOWED
222	INT1P918-EP	96926240.1		2/3/1998	PENDING
223	INT1P918-KR	1998-700818		2/3/1998	GRANTED
224	INT1P919	09/169,638	6,754,546	10/9/1998	ISSUED
225	INT1P920	09/169,713	6,282,206	10/9/1998	ISSUED
226	INT1P920C1	09/847,201		5/2/2001	PENDING
227	INT1P921	08/531,143	6,002,776	9/18/1995	ISSUED
228	INT1P922	08/616,290	5,749,073	3/15/1996	ISSUED
229	INT1P923	08/620,949	5,880,788	3/25/1996	ISSUED
230	INT1P923-AU	199725446	716673	3/25/1997	ISSUED
231	INT1P923-CA	2,250,462	2,250,462	9/24/1998	ISSUED
232	INT1P923-EP	97916971.1	0890171	9/24/1998	ISSUED
233	INT1P923-FR	97916971.1	0890171	9/24/1998	ISSUED
234	INT1P923-NL	97916971.1	0890171	9/24/1998	ISSUED
235	INT1P924	09/199,799	6,343,150	11/25/1998	ISSUED
236	INT1P925+	60/114,808		1/5/1999	CONVERTED
237	INT1P925C1	09/556,723		4/21/2000	ALLOWED
238	INT1P925C2	10/764,309		1/22/2004	PENDING

PATENT

REEL: 016377 FRAME: 0023

## VULCAN PATENTS LLC

No.	ATTY DOCKET NO.	APPLICATION NO.	ISSUED PAT NO.	FILING DATE	STATUS
239	INT1P926C1	09/557,169	6,563,532	4/21/2000	ISSUED
240	INT1P927C1	09/557,101	6,825,875	4/21/2000	ISSUED
241	INT1P928C1	09/557,081		4/21/2000	PENDING
242	INT1P929	09/369,340		8/6/1999	PENDING
243	INT1P929+	60/095,442		8/6/1998	CONVERTED
244	INT1P930	09/049,041	6,054,646	3/27/1998	ISSUED
245	INT1P931	09/050,896	6,173,260	3/31/1998	ISSUED
246	INT1P932	09/453,450	6,661,918	12/3/1999	ISSUED
247	INT1P932+	60/110,919		12/4/1998	CONVERTED
248	INT1P932C1	10/703,393		11/7/2003	PENDING
249	INT1P933	09/056,388	6,005,181	4/7/1998	ISSUED
250	INT1P934	09/233,690	6,049,034	1/19/1999	ISSUED
251	INT1P935	09/156,595	6,222,522	9/18/1998	ISSUED



## **FACSIMILE COVER SHEET**

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**Date:** 6-21, 2005

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**CONFIDENTIALITY NOTE**

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**TO: USPTO Assignment Division**

**COMPANY: USPTO**

**FAX NO.: 703-306-5995**

**FROM: William J. James**

**RE: U.S. Patent Application No. 11/096,248**

**ATTY DOCKET NO: SYMAP063**

**NO. PAGES: [including this cover sheet] THREE**

**MESSAGE:**

Dear Honorable Commissioner of Patents:

Please accept the enclosed Assignment Recordation Cover Sheet and Assignment of Patent Application for recording for the above-referenced U.S. Patent application.

If you have any questions please do not hesitate to contact me.

Best Regards,



William J. James

## ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

### PERFORMANCE ENHANCEMENT FOR SIGNATURE BASED PATTERN MATCHING

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on 03/30/05, and which bears the Application No. 11/096,248, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known;

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Symantec Corporation, a Delaware corporation having a place of business at 20330 Stevens Creek Blvd., Cupertino, CA 95014, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: \_\_\_\_\_  
Typed Name: Sunil Ravi

Date: 01 JUNE 2005