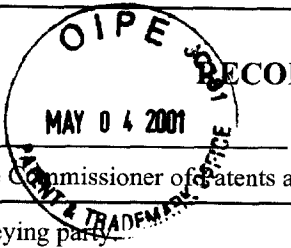


05-09-2001



101711487

To the Honorable Commissioner of Patents and Trademarks. Please return the original documents or copy thereof.

1. Name of conveying party
SAMSUNG THOMSON-CSF CO., LTD.
Additional name(s) of conveying party(ies) attached?
 Yes No **5-4-01**

2. Name and address of receiving party(ies):
SAMSUNG THALES CO., LTD.,
a corporation organized under the laws of the Republic of Korea
No. 259 Kongdan-dong, Kumi-city,
Kyungsangbuk-do, Republic of KOREA

3. Nature of conveyance
 Assignment Merger
 Security Agreement
 Change of Name Other
Execution Date: April 10, 2001

Additional name(s) & addresses attached?
 Yes No


4. Application number(s) or Patent number(s):
A. Patent Application No.(s)
#1. 09/474,370, #2. 09/476,790,
#3. 09/366,561, #4. 09/476,789,
#5. 09/095,728

B. Patent No.(s)
#1. 5,710,428, #2. 5,870,055,
#3. 5,254,999, #4. 5,949,916,
#5. 6,067,042, #6. 6,087,989,
#7. 6,058,458
Additional number(s) attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Robert E. Bushnell
Attorney at Law
Suite 300, 1522 "K" Street, N.W.
Washington, D.C. 20005
Tel. No. (202) 408-9040
Attorney's docket No.: M-9999
(P55932, P55917, P55719, P55939, P54859, P53937, P54705, P53632, P54635, P55284, P54956, P54764)

6. Total Number of applications and patents involved:
TWELVE (12)
7. Total fee (37 CFR § 3.41) \$ **U.S. \$480.00**
 Enclosed
 Authorized to be charged to deposit account
8. Deposit Account Number:
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and Signature.
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.
ROBERT E. BUSHNELL  May 3, 2001 **480E**
Name of Person Signing Signature Date
Total number of pages comprising cover sheet: 6

OMB No. 0651-0011 (exp. 4/94)

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Box Assignments
Washington, D.C. 20231

05/09/2001 6TON11 00000181 09474370

01 FC:581 480.00 OP

CONFIRMATORY ASSIGNMENT

BY THIS INSTRUMENT, **Samsung Thomson-CSF Co., Ltd.**, a corporation chartered in and existing under the laws of the Republic of Korea, the owner of record and the Assignor herein of the sole and undivided interest in and to the below-listed U.S. Patents and U.S. Patent Applications pursuant to the corresponding individual evidentiary documents known as Assignment, for the sum of \$10.00 and other good and valuable consideration, the receipt of which is hereby acknowledged, hereby confirms that the Assignor has pursuant to and by this act and deed, assigned, granted and conveyed, and by this instrument assigns, grants and forever conveys unto its lawful successor:

Samsung Thales Co., Ltd.

*A corporation chartered in and existing under the laws of the Republic of Korea, and maintaining principal offices at:
No. 259 Kongdan-dong, Kumi-city,
Kyungsangbuk-do,
Republic of Korea*

all rights, title and interest in and to the United States patent application listed below, together with all of the rights pertaining thereto:

U.S. PATENT APPLICATIONS

<u>#1</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
	09/474,370	12/29/99	<i>APPARATUS AND METHOD FOR MULTI-ACCESS CONFERENCE CALL IN EXCHANGE SYSTEM</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#2</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
	09/476,790	12/30/99	<i>FREQUENCY HOPPING RECEIVER CAPABLE OF REAL-TIME DEMODULATION AND METHOD</i>

THEREOF

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#3</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
	09/366,561	8/4/99	<i>TWO-DIMENSIONAL DRIVING APPARATUS AND METHOD</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#4</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
	09/476,789	12/30/99	<i>METHOD FOR TESTING APPLICATION SPECIFIC INTEGRATED CIRCUIT IN EXCHANGE SYSTEM FOR RADIO INTERFACE</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#5</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
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09/095,728 6/11/98

*TARGET TRACKING METHOD AND
DEVICE THEREFOR*

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

U.S. PATENTS

<u>#1</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	5,710,428	08/649,446	1/20/98	<i>INFRARED FOCAL PLANE ARRAY DETECTING APPARATUS HAVING LIGHT EMITTING DEVICES AND INFRARED CAMERA ADOPTING THE SAME</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#2</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	5,870,055	08/902,129	2/9/99	<i>TRACKING RADAR SIGNAL GENERATOR</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is,

prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#3</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	5,254,999	08/008,565	10/19/93	<i>VIDEO SIGNAL PROCESSOR FOR RADAR SYSTEM</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#4</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	5,949,916	08/880,674	9/7/99	<i>MODIFIED AUTOMATIC REGRESSIVE FILTER AND FILTERING METHOD THEREFOR</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#5</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	6,067,042	09/123,541	5/23/00	<i>TEST BEACON FOR RADAR SYSTEM</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded

in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#6</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	6,087,989	09/050,906	7/11/00	<i>CAVITY-BACKED MICROSTRIP DIPOLE ANTENNA ARRAY</i>


I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

<u>#7</u>	<u>Patent No.</u>	<u>Serial No.</u>	<u>Issue Date</u>	<u>Title</u>
	6,058,458	08/985,184	5/2/00	<i>MULTI-PROCESSOR SYSTEM HAVING A SHARED PROGRAM MEMORY AND RELATED METHOD</i>

I, the undersigned officer of the Assignor, state that I was and am the authorized officer of **Samsung Thomson-CSF Co., Ltd.**, duly authorized to make the assignment, conveyance and grant set forth in this instrument, that the foregoing documentary evidence has been reviewed, and I certify that to the knowledge and belief of the assignee, title to the aforementioned patent application is, prior to this conveyance, in **Samsung Thomson-CSF Co., Ltd.** by virtue of an Assignment recorded in the United States Patent & Trademark Office on the 7th day of the month of November in the year of 2000, in Reel No. 011260, at Frame(s) 0614.

IN WITNESS WHEREOF, I have, at Seoul, Republic of Korea, on this 10th day of the month of April, in the year of Two Thousand One, placed my hand and affixed my seal:

For: ~~Samsung Thomson-CSF Co., Ltd.~~ **SAMSUNG THOMSON-CSF Co., Ltd.**

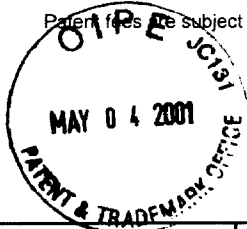
By: 

President & CEO Tae Jin Park (Seal)
Tae-Jin PARK,
President

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

Patent fees are subject to annual revision.



Complete If Known

Application NUMBERS	09/476,790...
Filing Date	30 December 1999
First Named Inventor	JAE-HWAN KIM
Examiner Name	
Group/Art Unit	
Attorney Docket No.	M-9999

TOTAL AMOUNT OF PAYMENT **(\$)480.00**

METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943
Deposit Account Number: _____

Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and

Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed: (CHECK #39560)

Check Credit Card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility filing fee	\$
106	320	206	160	Design filing fee	\$
107	490	207	245	Plant filing fee	\$
108	710	208	355	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$)	.00

2. EXTRA CLAIM FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$)	0.00

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	1356t	205	65	Surcharge-late filing fee or oath	\$
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	390	216	195	Extension for reply within second month	\$
117	890	217	445	Extension for reply within third month	\$
118	1,390	218	695	Extension for reply within fourth month	\$
128	1,890	228	945	Extension for reply within fifth month	\$
119	310	219	155	Notice of Appeal	\$
120	310	220	155	Filing a brief in support of an appeal	\$
121	270	221	135	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,240	241	620	Petition to revive - unintentional	\$
142	1,240	242	620	Utility issue fee (or reissue)	\$
143	440	243	220	Design issue fee	\$
144	600	244	300	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	240	126	240	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$480.00 (= \$40 * 12)
146	710	246	355	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
149	710	249	355	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
Other Fee <u>Information Disclosure Statement under 37 C. F.R. §1.17(p)</u>					\$180.00
Other Fee (specify) _____					\$
*** Reduced by Basic Filing Fee Paid				SUBTOTAL (3)	\$480.00

SUBMITTED BY

Typed or Printed Name: **Robert E. Bushnell, Esq.**

Signature: *[Handwritten Signature]*

Date: **3 May 2001**

Complete (if applicable)

Reg. Number: **27,774**

Deposit Account User ID: **02-4943**

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RECORDED: 05/04/2001

PATENT
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