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(INTELSAT)	3400 International Drive, N.W. Washington, D.C. 20008	
Additional name(s) of conveying party(ies) attached?	6-12-01	
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	the averation data of the application is:	
If this document is being filed together with a new application	,	
A. Patent Application No.(s)/Confirmation No.(s) 09/813,144	B. Patent No.(s) 4,771,201 4,455,536 4,500,984	
09/013,144	4,771,201 4,433,536 4,500,984 4,911,385 4,858,225 5,086,301	
	5,384,845 5,424,962 5,515,056	
Additional numbers attach		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and registration involved: 10	
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC	7. Total Fee (37 CFR 3.41): \$400.00	
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PATENT

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ASSIGNMENT

WHEREAS, INTERNATIONAL TELECOMMUNICATIONS SATELLITE ORGANIZATION ("INTELSAT"), an international organization established by the Agreement Relating to the International Telecommunications Satellite Organization "INTELSAT" and the Operating Agreement relating thereto, done at Washington, D.C. on 20 August 1997, with offices located at 3400 International Drive, N.W., Washington, D.C., USA (Assignor) is the owner of the entire right, title and interest in and to the U.S. and foreign patents and patent applications listed in the attached SCHEDULE; and

WHEREAS, INTELSAT Services Corporation, a company organized and existing under the laws of Delaware, USA, with offices located at 3400 International Drive, N.W., Washington, D.C., USA, (Assignee) desires to acquire said entire right, title and interest in and to said U.S. and foreign patents and patent applications.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to said Assignee, effective July 18, 2001 all of Assignor's ownership of the entire right, title and interest in and to said U.S. and foreign patents and patent applications, including rights to recover damages for past, present and future infringements thereof, and agrees to execute, without further consideration, any additional documentation necessary in furtherance of this Assignment.

Date 6 Inc. 2001	INTERNATIONAL TELECOMMUNICATIONS SATELLITE ORGANIZATION ("INTELSAT") By David Meltzer Title: Vice President and General Counsel
ACCEPTED BY: Date <u>も ろいい</u> 2001	INTELSAT SERVICES CORPORATION By RamulPotarazu Title: Président and Chief Operating Officer
Subscribed and sworn to before me	this 6th day of Jove., 2001. Olmo & Sagar Notary Public

SCHEDULE

1. INVENTION REFERENCE NUMBER 17-E-15

Title "Method and Apparatus for Thermionic Energy Conversion"

Country of Filing

Patent No.

Issue Date

United States

No. 4,771,201

September 13, 1988

2. INVENTION REFERENCE NUMBER 18-E-43

Title "Push-Pull Microwave Amplifier"

Country of Filing

Patent No.

Issue Date

United States

No. 4,455,536

June 19, 1984

3. INVENTION REFERENCE NUMBER 22-I-01

Title "Equalizer for Reducing Crosstalk Between Two FDM/FM Carriers in a Satellite Communication System"

Country of Filing

Patent No.

Issue Date

United States

No. 4,500,984

February 19, 1985

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4. INVENTION REFERENCE NUMBER 26-I-01

Title "Attitude Pointing Error Correction System and Method for Geosynchronous Satellites"

Country of Filing United States	Patent No. No. 4,911,385	Issue Date March 27, 1990
Canada	Patent No. No. 2 006 199	Issue Date December 1, 1998
France	Patent No. EPO No. 0434861	Issue Date February 22, 1995
Germany	Patent No. EPO No. 0434861	Issue Date February 22, 1995
Italy	Patent No. EPO No. 0434861	Issue Date February 22, 1995
United Kingdom	Patent No. EPO No. 0434861	Issue Date February 22, 1995
Japan	Patent No. No. 2,971,494	Issue Date August 27, 1999
Peoples Republic of China	Patent No. No. 89,109,644.2	issue Date July 5, 1994

5. INVENTION REFERENCE NUMBER 27-I-01

Title "Variable Bandwidth Variable Center-Frequency Multi-Beam Satellite-Switched Router"

Country of Filing United States	Patent No. No. 4,858,225	Issue Date August 15, 1989
Canada	Patent No. No. 1,332,008	Issue Date September 13, 1994
France	Patent No. No. 2,648,295	Issue Date September 20, 1991
Germany	Application No. No. 39 19 352.7	Filing Date June 10, 1989
Italy	Patent No. No. 1230246	Issue Date June 8, 1989
Japan	Patent No. No. 2,977,562	Issue Date September 10, 1999
United Kingdom	Patent No. No. 2,232,560	Issue Date January 5, 1994

6. INVENTION REFERENCE NUMBER 29-I-01

Title "Polarization Converter Application for Accessing Linearly Polarized Satellite with Single-or-Dual- Circularly Polarized Earth Station Antennas"

Country of Filing United States	Patent No. No. 5,086,301	Issue Date February 4, 1992
Australia	Patent No. No. 631,093	Issue Date March 5, 1993
Canada	Patent No. No. 2,033,856	Issue Date August 15, 2000
Belgium	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
France	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
Germany	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
Italy	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
Luxembourg	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
Sweden	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
Switzerland	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
United Kingdom	Patent No. EPO No. 0 437 190	Issue Date October 9, 1996
Japan	Application No. No. 3-11711	Filing Date January 9, 1991
Korea	Patent No. No. 152533	Issue Date June 29, 1998

7. INVENTION REFERENCE NUMBER 32-I-01

Title "Command Modulation System Having Command Generator Unit for Commanding a Plurality of Different Types of Controlled Units"

Country of FilingPatent No.Issue DateUnited StatesPat. No. 5,384,845January 24, 1995

8. INVENTION REFERENCE NUMBER 33-I-01

Title "Method and System for Projecting Steady State Conditions of a Product from Transient Monotonic or Cyclic Data"

Country of Filing United States	Patent No. No. 5,424,962	Issue Date June 13, 1995
Canada	Patent No. No. 2,157,113	Issue Date June 8, 1999
European Patent Office	Application No. No. 95 910 858.0	Filing Date December 29, 1994
	Publication No. No. 0692126	Pub. Date January 17, 1996
Japan	Patent No. No. 3,167,032	Issue Date March 9, 2001

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9. INVENTION REFERENCE NUMBER 33-I-02

Title "Burst Tone Range Processing System & Method"

Country of Filing United States	Patent No. No. 5,515,056	Issue Date May 7, 1996
Canada	Patent No. No. 2145525	Issue Date March 4, 1997
France	Patent No. EPO No. 0 664 009	Issue Date April 26, 2000
Germany	Patent No. EPO No. 0 664 009	Issue Date April 26, 2000
United Kingdom	Patent No. EPO No. 0 664 009	Issue Date April 26, 2000
Japan	Application No. No. 506533/95	Filing Date April 5, 1995
	Publication No. 502.592/96	Pub. Date March 19, 1996

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10. INVENTION REFERENCE NUMBER 34-C-01

Title "Apparatus and Method for Operating a Heat Pipe Panel Assembly"

Country of Filing Application No. Filing Date
Canada No. 2,255,708 November 16, 1998

China Application No. Filing Date

No. 97 1 95367.8

April 10, 1997

Publication No Pub. Date
No. CN 1221380A June 30, 1999

France Application No. Filing Date EPO No. 97 92 0022.7 October 27, 1998

Italy Application No. Filing Date EPO No. 97 92 0022.7 October 27, 1998

Germany Application No. Filing Date EPO No. 97 92 0022.7 October 27, 1998

United Kingdom Application No. Filing Date EPO No. 97 92 0022.7 October 27, 1998

India Application No. Filing Date
No. 667CAL97 April 17, 1997

Japan Application No. Filing Date
No. PCT/US97/05359 10 April 1997

Russia Application No. Filing Date
No. 99100049 December 4, 1998

11. INVENTION REFERENCE NUMBER 40-I-01

RECORDED: 06/12/2001

Title "A Satellite Based Content Distribution System Using IP Multicast Technology"

Country of FilingApplication No.Filing DateUnited StatesNo. 09/81314421 March 2001

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