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Tab settings → → → V V V To the Honorable Commissioner of Patents and Trademarks	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
USA DIGITAL RADIO PARTNERS, L.P. 0-5 7	Name: USA DIGITAL RADIO, INC.
Additional name(s) of conveying party(ies) attached?	
3. Nature of conveyance:	
Image: Assignment Image: Merger Security Agreement Image: Change of Name	Street Address:
Other	
	City: COLUMBIA State: MD Zip: 21
Execution Date: DECEMBER 17, 1998	Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s):	
If this document is being filed together with a new appl	ication, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/553,195 Additional numbers at 5. Name and address of party to whom correspondence	ttached? Yes V No
concerning document should be mailed:	
Name:ROBERT P. LENART	7. Total fee (37 CFR 3.41)\$
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GORDON	Authorized to be charged to deposit accour
	8. Deposit account number:
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City: PITTSBURGH_State: PA Zip: 15219	(Attach duplicate copy of this page if paying by deposit acc
9. Statement and signature.	E THIS SPACE
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is a true copy of the original document.	OCTOBER 2, 2001
is a true copy of the original document.	bet P Lenait OCROBER 2, 2001 Signature Date

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100043678 RECORDATION FORM COVER SHEET M20-1-24 99 PATENTS ONLY PATENTS ONLY To: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Subtrission Type Conveyance Type New X Assignment Security Agreement Document ID# Licanse Change of Name Convertion of PTO Error Merger Other Reel # Frame # Departmental File Secret File Conveying Party(ics) Iwark if additional names of conveying parties attached Address of Name Name file 1 USA Digital Radio Partners, L.P. Izi171998 Name file 2 a New York limited partnership Execution Date Second Party Mark if additional names of conveying parties attached Month Day Yo Name file 1 USA Digital Radio, Inc. Idex of address file add	01,27-1999			U.S. Department of Comm Patent and Trademark Offi PATENT
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FORM PTO-1619B Expires 08/30/99 OMB 0851-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	412-642-5245
Name Robert P. Lenart	JA	
Address (line 1) CBS Corporation		· /
Address (line 2) 11 Stanwix Street		
Address (line 3) Pittsburgh PA 1522	2-1384	
Address (line 4)		
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	Authorization to charge additional fees:	Yes X No
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Name of Person Signing	Signature	Date

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Expires 06/30/99	
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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

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Address (line 2)					document from Assignment.)
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09169738	09192555				

<u>PATENT ASSIGNMENT AND ACCEPTANCE</u> (USA Digital Radio Partners, L.P.)

In consideration of the payment by USA Digital Radio, Inc., a Delaware corporation ("Assignee"), to USA Digital Radio Partners, L.P., a New York limited partnership ("Assignor"), of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which Assignor hereby acknowledges, Assignor hereby assigns, transfers and contributes to Assignee, and its successors and assigns, pursuant to the Contribution and Assumption Agreement between Assignor and Assignee of even date herewith, the entire right, title and interest in and to the patents and patent applications listed on Schedule A attached hereto and any legal equivalents thereof in the United States or a foreign country, including the right to claim priority therefrom, and in and to all future continuations, continuations-in-part, divisions, renewals, substitutes, reissues or reexaminations thereof.

Assignor further assigns the right to sue for all past and continuing infringements of the patents shown on Schedule A and any legal equivalents thereof in the United States or in a foreign country.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment.

Assignor further covenants that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said patents, patent applications and legal equivalents as may be known and accessible to Assignor and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or its successors and assigns any and all papers, instruments or affidavits required to apply for, obtain,

maintain, issue or enforce, said patents, patent applications and said equivalents thereof that may be necessary or desirable to carry out the purposes hereof.

EXECUTED this 17th day of December, 1998.

USA DIGITAL RADIO PARTNERS, L.P.

CBS Corporation, By: its general partner

By:

Mil: n. legnold Name: Fec ric / S. Reynold Title: Exec. Vice Presided C FO.

ACCEPTED:

USA DIGITAL RADIO, INC.

By:

Robert J. Struble President

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maintain, issue or enforce, said patents, patent applications and said equivalents thereof that may be necessary or desirable to carry out the purposes hereof.

EXECUTED this 17th day of December, 1998.

USA DIGITAL RADIO PARTNERS, L.P.

By: CBS Corporation, its general partner

By;

Name: Title:

ACCEPTED:

USA DIGITAL RADIO, INC.

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By:

Robert J. Struble President

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Schedule A

United States Patents

Docket No.	Patent No.	Title	Issued
TT200	5278826	Method and Apparatus For Digital Audio Broadcasting and reception	1/11/94
TT300	5278844	Method and Apparatus For Digital Audio Broadcasting and reception	1/11/94
TT100	5315583	Method and Apparatus For Digital Audio Broadcasting and reception	5/24/94
TT800	5465396	In-Band On-Channel Digital Broadcasting	11/7/95
57663	5559830	Joint Equalization System For AM Digital Receiver	9/24/96
57669	5588022	Method and Apparatus For AM Compatible Digital Broadcasting	12/24/94
57661	5606576	Adaptive Mode Control System For AM Compatible Digital Broadcasting	2/25/97
TT710	5633896	AM Compatible Digital Waveform Demodulation Using a Dual FFT	5/27/97
57657	5673292	AM-PSK System For Broadcasting A Composite Analog and Digital Signal Using Adaptive M-ary PSK Modulation	9/30/97
57665	5703954	Method and Apparatus For Improving The Quality Of AM Compatible Digital Broadcast System Signals In The Presence Of Distortion	12/30/97
TT910	5745525	Method And Apparatus For Simultaneously Broadcasting And Receiving Digital And Analog Signals	4/28/98
TT840	5757854	In-Band On-Channel Digital Broadcasting	5/26/98
TT610	5764706	AM Compatible Digital Waveform Frame Timing Recovery and Frame Synchronous Power Measurement	6/9/98
57664	5809065	Method and Apparatus For Improving The Quality Of AM Compatible Digital Broadcast System Signals In The Presence Of Distortion	9/15/ 98

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United States Patent Applications

Docket No.	Application No.	Title	Filed
TT900	08/274140	Method and System for Simultaneously Broadcasting &	7/12/94
		Receiving Digital and Analog Signals	
TT810	08/454032	In-Band On-Channel Digital Broadcasting Transmission	5/30/95
57660	08/602553	AM Digital Audio Broadcast (DAB) Service Channel	2/20/97
57662	08/671252	Method and Apparatus for Improving AM Compatible	1/3/95
		Digital Broadcast Analog Fidelity	
58643	08/724606	Apparatus and Method for Generating an AM Compatible	9/30/96
		Digital Broadcast Waveform	
58917	08/749098	AM Compatible Digital Audio Broadcasting Signal	11/14/9
		Transmission	6
58636	08/803699	Coherent Signal Detector for AM Compatible Digital	2/21/97
		Audio Broadcast Waveform Recovery	
57659	08/803714	Detector Addressable AM Digital Audio Broadcast System	2/21/97
TT911	08/914355	Method and System for Simultaneously Broadcasting &	8/19/97
		Receiving Digital and Analog Signals	
TT913	08/914356	Method and System for Simultaneously Broadcasting &	8/19/97
		Receiving Digital and Analog Signals	
TT912	08/914456	Method and System for Simultaneously Broadcasting &	8/19/97
1 1 7 1 20		Receiving Digital and Analog Signals	
WWS96011	08/947902	A System and Method for Mitigating Intermittent	10/9/97
W W 570011		Interruption in an Audio Radio Broadcast System	
WWS97001	09/049140	Digital Audio Broadcasting Method Using Puncturable	3/27/98
		Convolutional Code	
WWS97005	09/049216	Method for Data Transmission in a Digital Audio	3/27/98
	07/01/210	Broadcasting System	
WWS97006	09/153636	Adaptive Weighting for OFDM Soft Symbols Using CSI	9/15/98
WW 397000	03/133030	Estimates	
WWS97008	09/049210	FM In-Band On-Channel Digital Audio Broadcasting	3/27/98
W W 397008	07/047210	Method and System	
WWS98001	09/049217	Method and Apparatus For Am Digital Broadcasting	3/27/98
WWS98003X	09/153637	Method and Apparatus for AM Compatible Digital Audio	9/15/98
W W 370003A	09/133037	Broadcasting	1 21.50
WWS98009X	Not yet assigned	Method For Equalization Of Complementary Carriers In	10/2/98
W W 370007A	THOU JEL SOURHER	An Am Compatible Digital Audio Broadcast System	
WAVCOROLZY	Not yet assigned	Method And Apparatus For Demodulating And Equalizing	10/2/98
WWS98013X	Aor Acr assigned	An Am Compatible Digital Audio Broadcast Signal	
TTOCO	09/169738	In-Band On-Channel Digital Broadcasting Transmission	10/8/98
TT850			11/2/98
WWS98014	09/192555	Method And Apparatus For Reduction Of FM Interference	1 11/2/70

For FM In-Band On-Channel Digital Audio Broadcasting	
System	1

Argentine Patent Application

Docket No.	Application No	Title	Filed
57669	332493	Method and Apparatus For AM Compatible Digital Broadcasting	06/21/95

Australian Patent

Docket No.	Patent No.	Title	Issued
57669	687198	Method and Apparatus For AM Compatible Digital Broadcasting	06/04/98

Brazilian Patent Application

Docket No.	Application No	Title	Filed
57669	PI9507009-5	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

Canadian Patent Applications

Docket No.	Application No	Title	Filed
57669	2185003	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95
TT610	2236214	AM Compatible Digital Waveform Frame Timing Recovery and Frame Synchronous Power Measurement	08/21/96

Chilean Patent Application

Docket No.	Application No	Title	Filed
57669	981-95	Method and Apparatus For AM Compatible Digital Broadcasting	07/06/95

Peoples Republic of China Patent Application

Docket No.	Application No	Title	Filed
57669	95191998.9	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

Colombian Patent Application

Docket No.	Application No	Title	Filed
57669	95.029.137	Method and Apparatus For AM Compatible Digital Broadcasting	07/04/95

European Patent Applications

Docket No.	Application No	Title	Filed
57669	95913961.9	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95
TT610	96928970.1	AM Compatible Digital Waveform Frame Timing Recovery and Frame Synchronous Power Measurement	08/21/96
TT710	96928969.3	AM Compatible Digital Waveform Demodulation Using a Dual FFT	08/21/96

Israeli Patent Application

Docket No.	Application No	Title	Filed
57669	114173	Method and Apparatus For AM Compatible Digital Broadcasting	06/15/95

Japanese Patent Applications

Docket No.	Application No	Title	Filed
57669	7-523495	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95
TT610	506073	AM Compatible Digital Waveform Frame Timing Recovery and Frame Synchronous Power Measurement	08/21/96
TT710	510405/97	AM Compatible Digital Waveform Demodulation Using a Dual FFT	08/21/96

Korean Patent Application

Docket No.	Application No	Title	Filed
57669	96-704895	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

Mexican Patent Application

Docket No.	Application No	Title	Filed
57669	963971	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

New Zealand Patent

Docket No.	Patent No.	Title	Issued
57669	300094	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

Patent Cooperation Treaty Patent Application

Docket No.	Application No	Title	Filed
WWS96011	PCT/US98/217 46	A System and Method for Mitigating Intermittent Interruption in an Audio Radio Broadcast System	10/6/98

- 5 -

Russian Federation Patent Application

Docket No.	Application No.	Title	Filed
57669	96120156	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

South African Patent

Docket No.	Patent No.	Title	Issued
57669	95/4898	Method and Apparatus For AM Compatible Digital Broadcasting	04/24/96

Taiwanese Patents

Docket No.	Patent No.	Title	Issued
57669	NI-073079	Method and Apparatus For AM Compatible Digital Broadcasting	12/20/95
TT910	NI-077456	Method And Apparatus For Simultaneously Broadcasting And Receiving Digital And Analog Signals	07/23/96

Venezuelan Patent Application

Docket No.	Application No	Title	Filed
57669	1180-95	Method and Apparatus For AM Compatible Digital Broadcasting	07/17/95

Vietnamese Patent Application

Docket No.	Application No	Title	Filed
57669	SC0190/96	Method and Apparatus For AM Compatible Digital Broadcasting	02/27/95

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RECORDED: 10/05/2001