

10-17-2001



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OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings ⇌ ⇌ ⇌

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

USA Digital Radio Partners, L.P.

10-1-01

2. Name and address of receiving party(ies)

Name: USA Digital Radio, Inc.

Internal Address:

Street Address: 8865 Stanford Blvd.

City: Columbia State: MD Zip: 21045

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: December 17, 1998

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/952,450

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert P. Lenart

Internal Address: Pietragallo, Bosick
& Gordon

Street Address: 301 Grant Street
38th Floor

City: Pittsburgh State: PA Zip: 15219

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

50-0859

(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 P. Lenart

Name of Person Signing

Robert P. Lenart
Signature

Sept. 26, 2001
Date

Total number of pages including cover sheet, attachments, and documents: 10

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

07/16/2001 LABELLER 00000183 500859 0952450

PC:561 40.00 CR

PATENT
REEL: 012242 FRAME: 0890

PATENT ASSIGNMENT AND ACCEPTANCE

(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.

By: CBS Corporation,
its general partner

By: *Fredric B. Reynolds*
Name: Fredric B. Reynolds
Title: Exec. Vice President & CFO.

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.

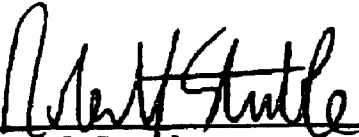
USA DIGITAL RADIO PARTNERS, L.P.

By: CBS Corporation,
its general partner

By: _____
Name:
Title:

ACCEPTED:

USA DIGITAL RADIO, INC.

By: 
Robert J. Struble
President

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Schedule A

United States Patents

<u>Docket No.</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issued</u>
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

United States Patent Applications

<u>Docket No.</u>	<u>Application No.</u>	<u>Title</u>	<u>Filed</u>
TT900	08/274140	Method and System for Simultaneously Broadcasting & Receiving Digital and Analog Signals	7/12/94
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 Digital Broadcast Analog Fidelity	1/3/95
58643	08/724606	Apparatus and Method for Generating an AM Compatible Digital Broadcast Waveform	9/30/96
58917	08/749098	AM Compatible Digital Audio Broadcasting Signal Transmission	11/14/96
58636	08/803699	Coherent Signal Detector for AM Compatible Digital Audio Broadcast Waveform Recovery	2/21/97
57659	08/803714	Detector Addressable AM Digital Audio Broadcast System	2/21/97
TT911	08/914355	Method and System for Simultaneously Broadcasting & Receiving Digital and Analog Signals	8/19/97
TT913	08/914356	Method and System for Simultaneously Broadcasting & Receiving Digital and Analog Signals	8/19/97
TT912	08/914456	Method and System for Simultaneously Broadcasting & Receiving Digital and Analog Signals	8/19/97
WWS96011	08/947902	A System and Method for Mitigating Intermittent Interruption in an Audio Radio Broadcast System	10/9/97
WWS97001	09/049140	Digital Audio Broadcasting Method Using Puncturable Convolutional Code	3/27/98
WWS97005	09/049216	Method for Data Transmission in a Digital Audio Broadcasting System	3/27/98
WWS97006	09/153636	Adaptive Weighting for OFDM Soft Symbols Using CSI Estimates	9/15/98
WWS97008	09/049210	FM In-Band On-Channel Digital Audio Broadcasting Method and System	3/27/98
WWS98001	09/049217	Method and Apparatus For Am Digital Broadcasting	3/27/98
WWS98003X	09/153637	Method and Apparatus for AM Compatible Digital Audio Broadcasting	9/15/98
WWS98009X	Not yet assigned	Method For Equalization Of Complementary Carriers In An Am Compatible Digital Audio Broadcast System	10/2/98
WWS98013X	Not yet assigned	Method And Apparatus For Demodulating And Equalizing An Am Compatible Digital Audio Broadcast Signal	10/2/98
TT850	09/169738	In-Band On-Channel Digital Broadcasting Transmission	10/8/98
WWS98014	09/192555	Method And Apparatus For Reduction Of FM Interference	11/2/98



		For FM In-Band On-Channel Digital Audio Broadcasting System	
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Argentine Patent Application

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

Australian Patent

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

Brazilian Patent Application

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

Canadian Patent Applications

<u>Docket No.</u>	<u>Application No</u>	<u>Title</u>	<u>Filed</u>
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

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

Peoples Republic of China Patent Application

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

Colombian Patent Application

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

European Patent Applications

<u>Docket No.</u>	<u>Application No</u>	<u>Title</u>	<u>Filed</u>
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

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

Japanese Patent Applications

<u>Docket No.</u>	<u>Application No</u>	<u>Title</u>	<u>Filed</u>
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

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

Mexican Patent Application

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

New Zealand Patent

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

Patent Cooperation Treaty Patent Application

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

Russian Federation Patent Application

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

South African Patent

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

Taiwanese Patents

<u>Docket No.</u>	<u>Patent No.</u>	<u>Title</u>	<u>Issued</u>
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

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

Vietnamese Patent Application

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