

APPROVAL AND CERTIFICATION CENTER
9B APPROVALS

<u>APPROVAL NO.</u>	<u>COMPANY</u>	<u>ISSUE DATE</u>	<u>DESCRIPTION</u>
9B-31	NORTH AMERICAN PHILIPS CORP	01/22/73	LFH/0085/54, 9 VDC, BATTERY-POWERED POCKET MEMO
9B-32	U. S. BUREAU OF MINES	03/06/73	12 VDC, MINE COMMUNICATIONS SYSTEM CONTAINING A CARRIER TRANSCEIVER, RECEIVING COIL WITH PREAMPLIFIER, SPEAKER AND MICROPHONE, COUPLING BOX, BATTERY BOX, AND TRANSMITTING LOOP
9B-33 WITHDRAWN	MINE SAFETY APPLIANCES CO	01/26/73	12 VDC, BATTERY-POWERED WARNING DEVICE SYSTEM
9B-34	GULTON IND. (TRANSFERRED TO FEMCO, DIV. OF GAITRONICS)	04/11/75	MODEL 741301, 12 VDC, LOUDSPEAKING MINE TELEPHONE
9B-35 RESCINDED	RESEARCH ELEC- TRONICS, INC	03/26/73	2.7 VDC, BATTERY-POWERED VIP POCKET PAGER
9B-36	PYOTT-BOONE	03/20/73	12 VDC, BATTERY-POWERED GK- SERIES LOCAL HEAT DETECTION SYSTEM
9B-37	PYOTT-BOONE	07/18/73	MODEL GK-10400-A, 24 VDC, BATTERY-POWERED MINE PAGE PHONE
9B-38	GENERAL RADIO	06/27/73	7.5 VDC, BATTERY-POWERED 1935 CASSETTE DATA RECORDER
9B-39	NORTH AMERICAN PHILIPS CORP	01/16/74	LFH0088/51, 9VDC, BATTERY- POWERED DICTATION MACHINE
9B-40	NORTH AMERICAN PHILIPS CORP	01/16/74	LFH0095/54, 9 VDC, BATTERY- POWERED POCKET MEMO
9B-41	MOTOROLA, INC	03/25/74	MH70, 15 VDC, BATTERY-POWERED TWO-WAY PORTABLE RADIO
9B-42	MOTOROLA, INC	03/25/74	15 VDC, BATTERY-POWERED FM TWO- WAY PORTABLE RADIO

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9B-43	GAI-TRONICS	08/21/74	MODEL 491, 12 VDC, BATTERY-POWERED MINE DIAL/PAGE PHONE
9B-44 RESCINDED	JABCO, INC	05/30/74	PP-103, PM-103, PP-105 BATTERY-POWERED PAGE PHONES
9B-45	JABCO, INC	06/03/74	PT-101 BATTERY-POWERED PAGE PHONE TESTER
9B-46	RCA	07/29/74	TACTEC VHF, 12 VDC, BATTERY-POWERED PORTABLE TWO-WAY RADIO
9B-47	RCA	07/29/74	TACTEC VHF, 12 VDC, BATTERY-POWERED PORTABLE TWO-WAY RADIO
9B-48	JEFFREY MINING MACHINERY	08/20/74	MODEL JMI-1, 6 VDC, BATTERY-POWERED TRANSMITTER AND RECEIVER
9B-49	JABCO, INC	08/20/74	JG-107, 12 VDC, BATTERY-POWERED AUDIO ALARM FIRE SENSING UNIT
9B-50	CHEMICAL SERVICES ENGINEERS	09/19/74	MODEL 120, 12 VDC, BATTERY-POWERED PAGE PHONE
9B-51	TEL-E-LECT, INC	11/13/74	TELE-TROLL, 6 VDC, BATTERY-POWERED TRANSMITTER AND RECEIVER
9B-52	DICTAPHONE CORP	02/24/75	DICTAPHONE 10, 9 VDC, BATTERY-POWERED CASSETTE RECORDER
9B-53	DENVER MINING RESEARCH CENTER	03/10/75	6 VDC, BATTERY-POWERED DATA ACQUISITION AND TELEMETRY UNIT FOR MICROSEISMIC ROOF FALL WARNING SYSTEM
9B-54 RESCINDED	CSE CORPORATION	02/27/75	MODEL 12, 12 VDC, BATTERY-POWERED PAGER EXTENDER
9B-55	STANDARD COMMUNICATIONS CORP	04/18/75	MODEL SR-C 730L50, 12 VDC, HAND-HELD TRANSCEIVERS
9B-56	STANDARD COMMUNICATIONS CORP	04/25/75	MODEL SR-C 830L30, 12 VDC, HAND-HELD TRANSCEIVERS
9B-57	STANDARD COMMUNICATIONS CORP	04/25/75	MODEL SR-C 830S50, 12 VDC, HAND-HELD TRANSCEIVERS

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9B-58	GULTON INDUSTRIES (TRANSFERRED TO FEMCO, DIV OF GAITRONICS)	05/23/75	MODEL 741901, 2.7 VDC, BATTERY-POWERED POCKET PAGER
9B-59	MOTOROLA, INC	06/18/75	"TRITON", 12.5 VDC, BATTERY- POWERED MARINE PORTABLE TWO-WAY RADIO
9B-60	PYOTT-BOONE	07/07/75	9 VDC, BATTERY-POWERED PAGE PHONE ACTIVATOR
9B-61	PYOTT-BOONE	02/06/76	MODEL 304A, 24 VDC, BATTERY- POWERED MINE PAGE PHONE
9B-62	LEE ENGINEERING DIVISION	09/24/75	4 VDC, BATTERY-POWERED LONGWALL RADIO REMOTE CONTROL TRANSMITTER
9B-63	LANIER BUSINESS PRODUCTS	12/23/75	LANIER MICROSETTE 60, 3 VDC, BATTERY-POWERED PORTABLE DICTATING MACHINE
9B-64	CRAIG CORP	02/18/76	MODEL 2625, 5 VDC, BATTERY- POWERED CASSETTE RECORDER
9B-65	ROCKWELL INTER- NATIONAL	03/16/76	59D-1, 8 VDC, BATTERY- POWERED CALL ALERT TRANSMITTER AND RECEIVER
9B-66	MOTOROLA COMMUN- ICATIONS DIV	03/26/76	MX300 SERIES, 8.4 VDC, BATTERY-POWERED "HANDIE-TALKIE" PORTABLE RADIO
9B-67	DAVID CLARK CO	06/10/76	MODELS 800 SM-A, 800SB-A AND 900 SB-A, SOUND POWERED HEADSETS
9B-68	MOTOROLA COMMUN- ICATIONS AND ELECTRONICS, INC	07/02/76	MODEL SP820821, 12 VDC, BATTERY-POWERED PORTABLE DUPLEX REPEATER RADIO
9B-69	MOTOROLA, INC	10/15/76	DIRECTOR (GBC), 2.4 VDC, BATTERY-POWERED DIRECTOR (GBC) AND BATTERY-POWERED PAGEBOY II (FNC) SERIES RADIO PAGER

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9B-70	MOTOROLA, INC	10/15/76	PAGEBOY II (FNC), 2.4 VDC, BATTERY-POWERED DIRECTOR (GBC) AND BATTERY-POWERED PAGEBOY II (FNC) SERIES RADIO PAGER
9B-71	COMTROL CORP	10/07/76	12 VDC, BATTERY-POWERED LOUDMOUTH TELEPHONE
9B-72	HARRIS CORP	12/30/76	MODELS RF-2820 AND RF-2840, 15 VDC, BATTERY-POWERED VHF AND UHF "PORTABLE RADIOS"
9B-73	HARRIS CORP	12/30/76	MODELS RF-2828 AND RF-2848, 15 VDC, BATTERY-POWERED VHF AND UHF PORTABLE RADIOS
9B-74	SONY CORP	05/26/77	MODEL M-101, 2 VDC, BATTERY-POWERED TAPE RECORDER
9B-75	EICKHOFF-NATIONAL MINE COMPANY	05/26/77	MODEL 8SD6, 12 VDC, BATTERY-POWERED TAPE RECORDER
9B-76	FEMCO DIVISIONS, GULTON INDUSTRIES (TRANSFERRED TO FEMCO, DIV OF GAITRONICS)	05/31/77	SERIES 691301, 24 VDC, BATTERY-POWERED LOUDSPEAKING MINE TELEPHONES
9B-77	JABCO, INC	06/03/77	MODELS PP-103, PP-103H, AND PP-105, 24 VDC, BATTERY-POWERED PAGE PHONES
9B-78	JABCO, INC	06/03/77	MODEL LP-103, 12 VDC, BATTERY-POWERED PAGE PHONE
9B-79	JABCO, INC	06/03/77	MODEL PP-103L, 24 VDC, BATTERY-POWERED PAGE PHONE
9B-80	FEMCO DIVISIONS, GULTON INDUSTRIES (TRANSFERRED TO DIV OF GAITRONICS)	08/31/77	MODELS 701301/001, 701301/002, 701301/101, AND 701301/102, 24 VDC, BATTERY-POWERED FEMCO PERMISSIBLE ALARMS
9B-81	DICTAPHONE CORP	08/01/77	MODEL 220, 6 VDC, CASSETTE RECORDER

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9B-82	MOTOROLA, INC	08/25/77	MODEL MT500, 15 VDC, BATTERY-POWERED "HANDIE-TALKIE" PORTABLE RADIO
9B-83	PREISER/MINECO	05/24/78	MODEL 9176, 24 VDC, BATTERY-POWERED MINE TELEPHONE
9B-84	MOOG, INC	12/01/77	MODELS 101 AND 120, 4 VDC, BATTERY-POWERED MINING MACHINE RADIO REMOTE CONTROL SYSTEM
9B-85 Ext. 0, 1, 2 HAVE BEEN WITHDRAWN EXT. 3 STILL ACTIVE	MINE SAFETY APPLIANCES CO	11/29/77	PAGE III, 12 VDC, BATTERY-POWERED MINE TELEPHONE
9B-86	NORTH AMERICAN PHILIPS CORP	03/06/78	MODEL LFH0185, 9 VDC, TAPE RECORDER POWERED BY A MALLORY ALKALINE DURACELL MN1640 OR NEDA 1604 BATTERY
9B-87	PACE DIVISION, PATHCOM, INC	07/11/78	MODEL FM-152, 12 VDC, HAND-HELD VHF RADIO TRANSCEIVER, POWERED BY EIGHT SIZE "AA" CARBON-ZINC CELLS, NEDA 15, 15P, OR 15F, OR EIGHT SIZE "AA" ALKALINE CELLS, NEDA 15A
9B-88	GULTON INDUSTRIES FEMCO DIVISIONS (TRANSFERRED TO FEMCO, DIV OF GAITRONICS)	05/22/78	MODEL NOS. 701301/701 AND 701301/702, 12 VDC BATTERY-POWERED PERMISSIBLE ALARM II
9B-90	SOUND POWERED COMMUNICATIONS	07/11/78	MODELS SPT-125, SPT-148, SPT-125S AND SPT-148S, SOUND POWERED TELEPHONES
9B-92	GULTON INDUSTRIES FEMCO DIVISION (TRANSFERRED TO FEMCO, DIV OF GAITRONICS)	10/31/78	MODEL NOS. 741301/703 AND 741301/706, 12 VDC, BATTERY-OPERATED LOUDSPEAKING MINE TELEPHONE (DESK SET)

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9B-93	CSE CORP	12/11/78	MODELS 123 AND 124, 12 VDC, BATTERY-POWERED MINE TELEPHONE
9B-94	CSE CORP	01/24/79	MODEL 126, 12 VDC, BATTERY-POWERED MINE TELEPHONE
9B-95	CSE CORP	01/31/79	MODEL 243, 24 VDC, BATTERY-POWERED MINE TELEPHONE
9B-96	LEE ENGINEERING DIV OF CONSOLIDATION COAL CO	01/31/79	MODEL SSB R-1, KHZ, 4 VDC CAP LAMP BATTERY, HAND-HELD TRANSCEIVER
9B-97	APPALACHIAN ELECTRONIC INSTRUMENTS	02/07/79	MODELS 101, 102, AND 103, 24 VDC, BATTERY-POWERED MINE TELEPHONE
9B-98	COMTROL CORP	03/28/79	MODEL LM-104 LOUDMOUTH VISUAL TRANSMITTER, 12 VDC AND MODEL LM-105 LOUDMOUTH VISUAL RECEIVER
9B-99	LANIER BUSINESS PRODUCTS	03/07/79	MODEL MS-105, 3 VDC, TAPE RECORDER
9B-100	LEE ENGINEERING DIVISION OF CONSOLIDATION COAL (TRANSFERRED TO DOWTY) (TRANSFERRED TO MECO) (TRANSFERRED TO JOY MINING MACHINERY) (TRANSFERRED TO JOY GLOBAL UNDERGROUND MINING LLC)	03/28/79	MODEL KD-100 ISC, 12 VDC, BATTERY-POWERED VISUAL ALARM
9B-101	LANIER BUSINESS PRODUCTS	03/27/79	MODEL AL/C-1, 6 VDC, BATTERY-POWERED TAPE RECORDER
9B-102	PYOTT-BOONE	05/17/79	MODEL 112, 12 VDC, BATTERY-POWERED RADIO CONTROL SYSTEM
9B-103	ANDERSON STRATHCLYDE LTD (TRANSFERRED TO LONG AIRDOX LTD.)	04/19/79	TYPE CS12, 12 VDC, BATTERY-POWERED RADIO CONTROL SYSTEM
9B-104	COMTROL CORP	05/24/79	MODEL LM-101-1, 24 VDC, BATTERY-POWERED LOUDMOUTH PAGING MINE

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			TELEPHONE
9B-105	COMTROL CORP	06/07/79	MODEL CU111, 12 VDC, BATTERY-POWERED MINE TELEPHONE SWITCHBOARD
9B-106	SONAR RADIO CORP	06/07/79	MODELS SP2518/2519 AND SP-2518/2519 SENATOR, 2.5 VDC, 225 MAH, NICKEL-CADMUM BATTERY OR 2.8 VDC, MERCURY BATTERY, PAGING RECEIVERS AND TRANSMITTERS
9B-107	U. S. BUREAU OF MINES	05/24/79	6/6/+ 14 VDC, BATTERY-POWERED MICROSEISMIC ROOF FALL WARNING SYSTEM AND FUNCTIONAL TEST SET
9B-108 RESCINDED	ECKO, INC	05/24/79	MODEL 104A, 22.5/12 VDC, BATTERY-POWERED PAGING MINE TELEPHONE
9B-109	MOOG, INC	07/30/79	ASSEMBLY NO. A36111, 4 VDC, SENDING UNIT AND MODEL 127-168 RECEIVER UNIT, RADIO CONTROL SYSTEM
9B-110	GENERAL ELECTRIC	05/01/80	MODEL PE45, 7.5 VDC, BATTERY-POWERED GREEN LABEL RADIO
9B-111	GENERAL ELECTRIC	01/29/81	MODEL PE56, 7.5 VDC, BATTERY-POWERED GREEN LABEL RADIO
9B-112	REMIC CORP	09/18/79	MODEL NOS. 7700E, 7700N, 7700ES, 7700F, 78001, 7800H, 7800HL, 7800P, 7800B, AND 7700NS HAT-COM, 9 VDC, BATTERY-POWERED HAND-HELD TRANSCEIVERS
9B-113	NORTH AMERICAN PHILIPS CORP	08/29/79	MODEL NT-1, 9 VDC, BATTERY-POWERED TAPE RECORDER
9B-114	JABCO, INC	09/27/79	MODEL UP-122, 12 VDC, BATTERY-POWERED MINE TELEPHONE
9B-115	JABCO, INC	10/01/79	MODEL LP-112, 12 VDC, BATTERY-POWERED MINE TELEPHONE

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9B-116	JABCO, INC	09/27/79	MODEL UP-124 AND UP-124M, 24 VDC, BATTERY-POWERED MINE TELEPHONE
9B-117	WESTERN ELECTRIC	11/07/79	MODEL 537A, 12 VDC, BATTERY-POWERED MINE TELEPHONE
9B-118	JABCO, INC	12/07/79	MODEL DP-112, 12 VDC, BATTERY-POWERED "CHAMP" DESK PAGER MINE TELEPHONE
9B-119	AMERICAN MINE RESEARCH, INC	12/21/79	MODEL CD-700, 9 VDC, BATTERY-POWERED CABLE FAULT DETECTOR
9B-120 WITHDRAWN	MINE SAFETY APPLIANCES	02/26/80	MODEL NO. IV, 12 VDC BATTERY-POWERED MINE TELEPHONE
9B-121	COMTROL CORP	06/17/80	MODEL CU109, 12 VDC, BATTERY-POWERED REPEATER
9B-122	COMTROL CORP	05/14/80	MODEL LM105, 12 VDC, BATTERY-POWERED FIVE-MINUTE PAGE DETECTOR
9B-123	PYOTT-BOONE	06/04/80	MODEL NOS. 630 AND 631, 12VDC, BATTERY-POWERED MULTIGUARD FAN MONITOR
9B-124	NAGRA MAGNETIC RECORDERS, INC	06/30/80	MODEL SNN, 3 VDC, BATTERY-POWERED TAPE RECORDER
9B-125	COMTROL CORP	09/18/80	MODEL ME1511, 12.0 AND 12.6 VDC, BATTERY-POWERED CABLE FAULT DETECTOR
9B-126	DERBY AUTOMATION CONSULTANTS LTD	08/25/80	MODEL NO. 022-02-0009, 7.5 VDC, BATTERY-POWERED INTRINSICALLY SAFE TELEPHONE WITH MODEL 047-02-0087 SURFACE INTERFACE
9B-127	HARRISON R. COOPER ASSOCIATES	09/26/80	TUNNEL-COM FM, 12 VDC, BATTERY-POWERED WIRELESS COMMUNICATION UNIT
9B-128	COMTROL CORP	10/29/80	MODEL NO. LM109, PART NO. LM1533 TRANSMITTER AND MODEL LM110, PART NO. LM1534 RECEIVER,

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			BATTERY-POWERED
9B-129	COMTROL CORP	05/26/81	MODEL MM105, 12 VDC, BATTERY-POWERED PORTABLE MOTORMOUTH CARRIER UNIT
9B-130	MINING PROGRESS (TRANSFERRED TO WESTFALIA MINING PROGRESS TRANSFERRED TO MTA)	10/22/81	MODEL EC-115, 6 VDC, SELF-POWERED INDICATOR LIGHT
9B-131 REVOKE	MINE SAFETY APPLIANCES CO	12/09/81	12 VDC, BATTERY-POWERED PAGER V MULTI-PHONE
9B-132 REVOKE	CATALYST CORP (TRANSFERRED TO MINE SAFETY APPLIANCES CO)	12/09/81	12 VDC, BATTERY-POWERED RESEARCH MULTI-PHONE PAGER TELEPHONE
9B-133	MOTOROLA, INC	01/07/82	MODEL MX-300 SERIES, 800 MHZ, 7.5 VDC, UHF PORTABLE TRANSCEIVER "HANDIE-TALKIE"
9B-134	PANICO (TRANSFERRED TO B&B ELECTRIC)	01/28/82	MODEL PN-380, 12 VDC, BATTERY-POWERED MINE TELEPHONE
9B-135	REPCO, INC	04/13/82	MODELS RPX150 AND RPX450, 12 VDC, HAND-HELD TRANSCEIVERS
9B-136	AMERICAN MINE RESEARCH, INC	05/12/82	MODEL MP-1105, 12 VDC, MINE DIAL/PAGE TELEPHONE SYSTEM
9B-137	BUTLER WINDING CORPORATION	05/06/82	MODEL 45-7000, MINE PAGING TELEPHONE
9B-138	NORTH AMERICAN PHILIPS CORP	05/06/82	MODEL LFH0585/00, 9 VDC, BATTERY-POWERED PORTABLE TAPE RECORDER
9B-139	COMTROL CORP	06/24/82	MODEL HD1503, LOCAL HEAT DETECTION SYSTEM
9B-140	COMTROL CORP	10/08/82	MODELS FD1511, 1511A, 1512 AND 1512A, 12 VDC, LOCAL FIRE DETECTION ALARM SYSTEMS

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9B-141	AMERICAN MINE RESEARCH, INC	06/08/82	MODEL MP-1120, 12 VDC, MINE DIAL/PAGE TELEPHONE SYSTEM
9B-142	THE ANTENNA SPECIALISTS CO	09/22/82	MODEL R100A, 9 VDC, PERSONAL DISTRESS DEVICE
9B-143	GAI-TRONICS CORP	10/19/82	TYPE 400, MINE DIAL/PAGE TELEPHONE SYSTEM
9B-144	CREATIVE PRODUCTS	12/06/82	MODEL CPA-03 AND CPA-04, 9 VDC, BODY LIGHT
9B-145	MITSUI MIKE MACHINERY CO	03/04/83	TYPE MTM11-ISX1, 9.6 VDC, BATTERY-POWERED RADIO REMOTE CONTROL TRANSMITTER
9B-146	COMTROL CORP	01/25/83	LM1539 AND LM1539B, 12 VDC, BATTERY-POWERED 5 LINE PAGE PHONE
9B-147	EIMCO COAL	01/05/83	MODEL 6522-531-001, 4 VDC, REMOTE CONTROL PENDANT
9B-148	A. R. F. PRODUCTS	06/01/83	MODEL ART-29, 11.7 VDC, VEST MANPACK TRANSCEIVER
9B-149	GRINAKER ELECTRONICS LTD	05/05/83	GRINAKER (SECOM), 10 VDC, MEDIUM FREQUENCY SUBSTRATA RADIO COMMUNICATION EQUIPMENT
9B-150	GENTEX CORP	06/13/83	MODEL NO. 6010-1, 7.2 VDC, BATTERY-POWERED CONVERSATIONAL COMMUNICATIONS UNIT AUDIT AMPLIFIER
9B-151	DRAEGERWERK AG (TRANSFERRED TO DRAEGER MEDICAL SYSTEMS, INC.)	07/14/83	1.5 MILLIVOLT, SOUND-POWERED COMMUNICATIONS SYSTEM
9B-152	APPALACHIAN ELECTRONIC INSTRUMENTS	10/03/83	MODEL NO. 600, 9 VDC, BATTERY-POWERED PACKET PAGER
9B-153 REVOKED	MINE SAFETY APPLIANCES	08/31/83	MODEL NO. 1680, 11.7 VDC, BATTERY-POWERED RADIO TRANSCEIVER
9B-154	MOTOROLA, INC	09/22/84	"EXPO", 7.5 VDC, BATTERY-POWERED

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PORTABLE TRANSCEIVER			
9B-155	GULTON INDUSTRIES (TRANSFERRED TO FEMCO, DIV OF GAITRONICS)	11/01/83	PART NOS. AM7011, AM7012, AM7021, AM7022, 12 VDC, BATTERY-POWERED TELEPHONES PAGING
9B-156	JABCO, INC	12/20/83	MODEL NO. MTL-180 SOLID STATE AUDIO ALARM
9B-157	MOTOROLA, INC	05/03/84	MODEL NO. HT-440, 12.5 VDC, BATTERY-POWERED PORTABLE RADIO TRANSCEIVER
9B-158	PYOTT-BOONE	06/29/84	MODEL NO. 128, 12 VDC, BATTERY- POWERED, PORTABLE HAND-HELD PAGE PHONE
9B-159	MINE SAFE ELECTRONICS, INC	08/13/84	MODEL COMMUNICATOR III PAGE PHONE
9B-160	PYOTT-BOONE	10/26/84	MODEL NO. 261, AC POWERED PERMISSIBLE BELT FIRE DETECTION SYSTEM
9B-161	EARMARK, INC	10/17/84	MODEL NOS. VAS-2, VASP-2, C AND CP VOICE AMPLIFIERS
9B-163	PYOTT-BOONE	12/31/84	MODEL NOS. 118 AND 119 PERMISSIBLE LINE-POWERED PAGE PHONE
9B-164	MINE SAFE ELECTRONICS, INC	11/09/84	MODEL COMMUNICATION II A, P/N 51-110A PORTABLE MINE PHONE
9B-165	MOOG, INC	12/06/84	MODEL NOS. 129-187 AND 129-190 RADIO SENDING UNIT
9B-166	MOOG, INC	02/07/85	MODEL A74586 SENDING UNIT
9B-167	EICKHOFF CORP	06/18/85	MODEL 8SD6204 RADIO REMOTE CONTROL TRANSMITTER
9B-168	MATRIC LIMITED	08/27/85	MODEL 500-713 RF TRANSMITTER
9B-170	MATRIC LIMITED	11/18/85	MODEL NOS. 500-193 AND 500-202 TRANSMITTER SYSTEM FOR MULTIPLEX

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			CONTROL
9B-171	STOLAR, INC (TRANSFERRED TO RIMTECH, INC.) (TRANSFERRED TO NEW MEXICO STATE UNIVERSITY)	05/30/86	MODEL ISR-1 IN-SEAM RECEIVER
9B-172	EICKHOFF CORP	01/07/87	MODEL 1FS-11US REMOTE CONTROL RADIO TRANSMITTER
9B-173	MITSUI MIKE MACHINERY LTD	02/10/87	MODEL MTM14-X1-CP RADIO REMOTE CNTRL TRANSMITTER
9B-174	SIEMENS CORP	12/30/87	MODEL 8SD6300 RADIO REMOTE CONTROL TRANSMITTER
9B-176	STOLAR, INC (TRANSFERRED TO RIMTECH, INC.) (TRANSFERRED TO CONSPEC CONTROLS)	02/24/88	MODEL PCR-1 PERSONNEL CARRIED RADIO
9B-177	STOLAR, INC (TRANSFERRED TO RIMTECH, INC.) (TRANSFERRED TO CONSPEC CONTROLS)	03/03/88	MODEL PR-3 PORTABLE RADIO
9B-178	UTAH POWER AND LIGHT, (TRANSFERRED TO ENERGY WEST MINING COMPANY)	07/29/88	MODEL LM1576 BELT CONTROL INTERFACE
9B-179	HAUTE TECHNOLOG- IES MINE Et IND.	08/16/88	MODEL H TELSAFE DV REMOTE CONTROL TRANSMITTER
9B-180	HAUTE TECHNOLOG- IES MINE Et IND.	09/01/88	MODEL ML TELSAFE DV REMOTE CONTROL TRANSMITTER
9B-181	HAUTE TECHNOLOG- IES MINE Et IND.	09/26/88	MODEL CT TELSAFE DV REMOTE CONTROL TRANSMITTER
9B-182	BRITISH JEFFREY	01/18/89	MODEL H150 RADIO REMOTE

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	DIAMOND		CONTROL SYSTEM
9B-183	MAGNUM DISTRIBUTION	09/21/89	MODEL EM-200W "EAR-MIKE" HANDWIRE LIFELINE INTERCOM SYSTEM
9B-184	MOOG CONTROLS	08/06/90	9. 6 V, BATTERY-POWERED MODEL E140K901 RADIO REMOTE CONTROL SYSTEM
9B-185	SOUTHERN OHIO COAL COMPANY	08/31/90	120 V, MODEL AEP-3101-1 PERMISSIBLE BELT CONTROL SYSTEM
9B-186	CATTRON, INC	11/16/90	MODEL CAT 864-MI, RF TRANSMITTER ASSEMBLY, 12. 5 VOLT, BATTERY- POWERED
9B-187	STOLAR, INC (TRANSFERRED TO RIMTECH, INC.) (TRANSFERRED TO CONSPEC COTNROLS)	12/04/90	MODEL RPT-6 PERMISSIBLE REPEATER TRANSCEIVER
9B-188	MOTOROLA, INC	03/05/91	MODEL MT1000, SERIES PORTABLE RADIO
9B-190	SIMMONS-RAND	10/17/91	MODEL 200 PERMISSIBLE REMOTE CONTROL CONSOLE
9B-191	MOOG, INC	08/20/92	MODEL 140-XXX OPERATOR/ TRANSCEIVER UNIT
9B-192	MOOG, INC	10/19/92	MODEL 129-238 RADIO SEND UNIT
9B-193	MECO INTERNL. (TRANSFERRED TO JOY MINING MACHINERY) (TRANSFERRED TO JOY GLOBAL UNDERGROUND	11/13/92	MODEL HHDU-1 HAND HELD TERMINAL MINING LLC)
9B-194	CONSOLIDATION COAL COMPANY	12/22/92	HAWKEAR MODEL TCU-101 TELE- PHONE COUPLER
9B-195	LOGI-TEC, INC	05/06/93	MODEL DV5A FIRE SENSOR MONITOR
9B-196	EL-EQUIP, INC	06/16/93	MODEL VHF-1 RADIO SYSTEM

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	(TRANSFERRED TO MINE RADIO SYSTEMS INC.) (TRANSFERRED TO PBE Netherlands B.V. (Pyott-Boone)		
9B-197	VOEST ALPINE C/O SERVICE MACHINE	06/08/93	TYPE 3261 REMOTE CONTROL TRANSMITTER
9B-198	BWI EAGLE, INC	11/17/93	MODEL NO. 30-1000 "EAGLE-EYE" INFRARED REMOTE TRANSMITTER
9B-199	CON SPACE COMM- UNICATIONS, LTD	11/12/93	MODEL CSI-2000 CONFINED SPACE INTERCOM SYSTEM
9B-200	STRUCTURED MINING SYSTEMS, INC	12/08/93	MODEL TX-100 TRANSMITTER
9B-201	DAC	02/28/94	TYPE RFM 2000 RADIO SYSTEM
9B-202	RIMTECH, INC. (TRANSFERRED TO NEW MEXICO STATE UNIVERSITY)	04/14/94	RIM 20/20 RECEIVER
9B-203	RIMTECH, INC. (TRANSFERRED TO NEW MEXICO STATE UNIVERSITY)	05/16/94	RIM 20/20 TRANSMITTER
9B-204	PEMPEK SYSTEMS (NAME CHANGED TO FORCED POTATO, INC.) (TRANSFERRED TO PEMPEK SYSTEMS PTY. LTD.)	05/25/94	TYPE 3261& ALT TYPE ABLS REMOTE CONTROL TRANSMITTERS
9B-205	MOOG, INC.	06/24/94	MDL. 140-1XX OPERATOR/ TRANSCEIVER UNIT.
9B-206	RIMTECH, INC. (TRANSFERRED TO CONSPEC CONTROLS)	07/07/94	HAND-HELD RADIO
9B-207	AMERICAN MINING ELECTRONICS, INC.	12/27/94	MDL. 8077 INFRARED REMOTE CONTROL UNIT
9B-208	MATRIC LTD.	01/05/95	MDLS 205-757, 205-829, AND 205-875 RADIO TRANSMITTER

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FOR REMOTE CONTROL			
9B-209	STRUCTURED MINING SYSTEMS INC.	04/25/95	MDL. TX-8XX TRANSMITTER ASSEMBLY
9B-210	RIMTECH INC. (TRANSFERRED TO CONSPEC CONTROLS)	05/25/95	PART NO. 911075 PAGING RECEIVER
9B-211	BSI COMMUNICATIONS	09/27/95	DML. 200-001 COMMUNICATION SYS
9B-212	MOTOROLA, INC.	01/22/96	MT2000 SERIES, 8V, BATTERY POWERED PORTABLE RADIO
9B-213	MOTOROLA, INC.	01/22/96	HT1000 SERIES, 8V, BATTERY POWERED PORTABLE RADIO
9B-214	MOOG CONTROLS LTD.	04/03/96 CONTROL SEND UNIT	MDL. E140K980-XYZ RADIO
9B-215	STRUCTURED MINING SYSTEMS, INC.	06/11/96	MDL. TX-5XX TRANSMITTER
9B-216	MOTOROLA, INC.	06/13/96 RADIO	MT2000/HT1000 SERIES PORTABLE
9B-217	FERNSPRECH- & SIGNALBAU GmbH & CO.	12/16/96	TYPE F5069 SOUND PWR TELEPHONE
9B-218	LONG-AIRDOX CO.	11/07/97	MODEL 491813 TRANSMITTER
9B-219	MINE RADIO SYSTEMS (TRANSFERRED TO PBE Netherlands B. V. (Pyott-Boone)	11/07/97	FLEXCOM COMMUNICATIONS SYSTEMS
9B-220	JOY MINING MACH.	02/11/99	MODELS TX1, TX2, RADIO TRANSMITTER
9B-221	GAI-TRONICS CORP.	04/01/99	MODEL 491-204 MINE DIAL PAGE PHONE
9B-222	IMC TECHNICAL SERVICES, LTD	10/05/99	MODEL M-COMM COMMUNICATIONS SYSTEM

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23-A040001	Audio Pack (TRANSFERRED TO UNDERSEA SENSOR SYSTEMS)	1/23/04	Model BG4 Amplifier
23-A050001	VARIS Mine Tech.	03/08/05	Model IS Leaky Feeder Communication System
23-A060001	Marco North America	04/19/06	PRIM Model PTT-1 Personal Tracking Transmitter
23-A060002	Kenwood USA Corp. (Transferred to JVCKENWOOD USA Corporation)	04/19/06	Kenwood Models TK-290 and TK-390 Two-Way Radio Transceivers and Accessories
23-A060003	Matrix Design Group	12/19/06	Model Matrix Tracker T1000 RFID Tag
23-A070001	NL Technologies	05/03/07	Model Standalone WiFi Tag
23-ISA070001	NL Technologies	05/03/07	Model WiFi Tag Circuit
23-A070002	Stolar Horizon, Inc.	12/21/07	Model RGUI04-001 Remote Control Graphical User Interface
23-A070003	Venture Design	05/18/07	Model MLT Mobile Location Transponder Tag Device
23-A070004	Wholesale Mine Supply, LP	08/14/07	Model i-Q8X RFID Tag
23-A070005	Tunnel Radio of America	09/27/07	Model UltraComm Distributed Antenna Communication System
23-A070006	Mine Radio Systems (TRANSFERRED TO PBE Netherlands B. V. (Pyott-Boone)	11/07/07	Model TP2 Self Powered Transponder
23-A070007	American Mine Research	12/20/07	Model Mine Net Tag
23-A080001	Venture Design Services, Inc.	01/23/08	MineTracer Miner Location Monitoring System
23-A080002	Venture Design	04/09/08	Model TMLT Text-Messaging

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	Services, Inc.		Location Transponder
23-A080003	Becker Electronics (Transferred to Varis Mine Technology Ltd - Becker Varis)	05/15/08	Becker Leaky Feeder System
23-A080004	Pyott-Boone Elec.	04/29/08	Model 1980 RFID Tracking Tag
23-A080005	Tunnel Radio of America	05/01/08	Model MineAx T1 RFID Tracking Tag
23-ISA080005	Innovative Wireless Technologies	08/08/08	Fixed Mesh Node, with Antenna and Battery System
23-A080006	Extronics Ltd.	05/02/08	Model iTAG100/BWH3000 RFID Tag
23-A080007	Motorola, Inc.,	07/30/08	Model HT750 Series Two Way Radio
23-A080010	NL Technologies	08/05/08	Digital Communications System
23-A080011	Conspec Controls	07/21/08	911152 Personnel Tracking Transmitter
23-A080012	Mine Site Technologies Pty Transceiver Tracking Tag	07/23/08	Model T3i-SC RFID Ltd.
23-A080013	Matrix Design Group LLC.	08/06/08	MDG METS 2.1 Miner Tracking System
23-A080014	SubterraCom Wireless Solutions, LLC.	08/21/08	Subterra-M8, Model 810T Wireless Tracking and Communication Device
23-A080015	L-3 Communications (Transferred to Innovative Wireless Technologies, Inc.)	09/16/08	ACCOLADE Wireless Mesh Communication System
23-A080016	Innovative Wireless Technologies	09/30/08	Sentinel Wireless Mesh Communication System
23-A080017	Active Control Tech. (Transferred to NL Technologies,	09/09/08	ActiveMine Ekahau T301 Tracking Tag

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a division of Levitt-Safety Limited)			
23-A080018	WaveTrend Tech.	10/10/08	Models TG100, TG501, TG800 And TG800-IH Series Tags
23-A080019	Hughes Supply Co.	10/10/08	Model HSC RDR_02 Radio Repeater
23-A080020	Alion Science & Tech. (Transferred to L3-Communications) (Transferred to Innovative Wireless Technologies, Inc.)	11/13/08	ASM 100001 Accolade Miner Mesh Radio Handset
23-A090001	Minecom, a Division of TR Corporation Pty. Ltd. (Name changed to Minecom, a Division of TR Pty Ltd.) (Transferred to Pyott-Boone Electronics)	01/08/09	Model MCA 2000 UHF Leaky Feeder System
23-ISA090001	Becker Electronics (PTY) LTD	06/12/09	Becker Cap Lamp Tag
23-A090002	Active Control Tech. (Transferred to NL Tech Wireless Mesh Communication a division of Levitt-Safety Limited)	02/03/09	Model ActiveMine AM1000 System
23-A090003	MineCom, a Division Of TR Pty Ltd (Transferred to Pyott-Boone Electronics)	08/06/09	Model MCA 1000 VHF Leaky Feeder System
23-A090004	Becker Electronics (PTY) LTD	06/17/09	Becker Vehicle Tag
23-A090006	Becker Electronics (PTY) LTD	06/18/09	Becker Helmet Tag
23-A090007	Matrix Design Group	05/21/09	P/N 2WC-T Two-Way Text Communicator
23-A090008	Active Control Tech. (Transferred to NL Tech	04/22/09	Model 8035 Telephone (SpectraLink 8030 Telephone

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	a division of Levitt-Safety Limited)		and Active Control Technology ACT001 Battery)
23-A090009	L-3 Communications (Transferred to Innovative Wireless Technologies, Inc.)	06/03/09	Model TTURT-01 Tru-Tracker UWB RFID Tag
23-A090010	Kutta Technologies (Transferred to Kutta Radios, Inc.)	07/27/09	Model Drum 100R Medium Frequency Communication System
23-A090011	Pyott Boone Elect.	08/12/09	Model Tracker Boss Tagging System
23-A090012	Rajant Corp. (Transferred to Mine Site Technologies)	09/17/09	Breadcrumb® Portable Wireless Mesh Network Node Model WE-IS
23-A090013	American Mine Research	10/20/09	Model MN-6000 Mine Net Wireless Tracking and Tagging System
23-A090014	American Mine Research	10/09/09	Model 6210 Mine Net Messenger two-way test messaging device
23-A090015	L-3 Communications (Transferred to Innovative Wireless Technologies, Inc.)	12/8/09	ACCOLADE Tracking Beacon
23-A090017	L-3 Communications (Transferred to Innovative Wireless Technologies, Inc.)	11/24/09	Model TTTR-01 Tru-Tracker Tag Reader
23-A100001	American Mine Res.	01/13/10	Model MN-6215 Dual Channel Wireless Transceiver
23-A100002	Tunnel Radio of America	02/04/10	Model Tr-MX-332 MineAx RFID Tracking System
23-A100003	Mine Site Tech.	02/18/10	Impact I. S. Communications System
23-A100004	NL Technologies	03/18/10	Portable Access Node
23-A100005	Special Electronics & Designs Inc.	03/25/10	Rescom Modular Intercom System

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23-ISA100001	Becker Electronics (Pty) Ltd	03/15/10	Models TCT0 234 and TCT0 334 Cap Lamp Tags
23-ISA100002	Becker Electronics	06/16/10	TCT1 4XX Cap Lamp Tag
23-A100006	Mine Site Tech.	06/24/10	Model MP70 MinePhone
23-A100007	Innovative Wireless Technologies, Inc.	07/26/10	Sensor Mesh Interface System
23-A100008	Argon ST, Inc. (Transferred to Strata Safety Products, LLC)	07/22/10	StrataCommTrac Model C201 Subsurface Communication Node
23-A100009	Kutta Technologies (Transferred to Kutta Radios, Inc.)	08/20/10	Model DRUM 100P Portable Medium Frequency Radio
23-A100010	Becker Electronics Pty. Ltd. (Transferred to Varis Mine Technology Ltd – Becker Varis)	11/19/10	Model UFMR-100 and VFMR-100 Portable Radios
23-A100011	Matrix Design Group	12/17/10	MDG Two-Way Communicator Handheld Tracker P/N: 2WC-HT
23-A100012	Argon ST, Inc. (Transferred to Strata Safety Products, LLC)	11/19/10	StrataCommTrac Model C202 Miner Communicator
23-A110001	InSet Systems, LLC.	01/19/11	P/N 10000000AA-00 Tracking, Voice and Test Communication System
23-A110002	Lockheed Martin	07/19/11	MagneLink Magnetic Communication System (MCS) Model No. 03538-MCS-UP-001
23-A110003	Kutta Technologies (Transferred to Kutta Radios, Inc.)	06/24/11	DRUM TTR-100 Tracking Tag Receiver
23-A110004	Kutta Technologies	06/24/11	Model 100S UHF/VHF

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	(Transferred to Kutta Radios, Inc.)		Communication System
23-A110005	Newtrax Technologies Inc.	11/16/11	Model Network Infrastructure Device
23-A120001	Innovative Wireless Technologies, Inc.	02/16/12	Model <i>SENTINEL</i> Beacon
23-A120002	NL Tech.	03/15/12	Model Ranger Phone
23-A120003	L3 Communications (Transferred to Innovative Wireless Technologies, Inc.)	04/18/12	ACCOLADE Miner Mesh Locator (MML)
23-A120004	Mine Radio Systems (TRANSFERRED TO PBE Netherlands B. V. (Pyott-Boone)	05/30/12	Model MultiCOM Leaky-Feeder Communication System
23-A120005	Innovative Wireless Technologies, Inc.	06/20/12	Model Sentinel Mesh Handset Two-Way Radio
23-A120006	Immersive Technologies	12/21/12	Model WFP0200830 ZAP Wireless Zone Access Point
23-A120007	Pyott-Boone Elec.	10/19/12	Model 911 Emergency Communicator
23-A120008	Innovative Wireless Technologies Inc.	11/07/12	Permissible Portable Mesh Node System
23-A130002	Innovative Wireless Technologies Inc.	12/12/13	Model MX6 SENTINEL Wireless Interface Adapter
23-A140001	E-Spectrum Tech. Inc.	02/04/14	Rescue Dog Thourgh-The-Earth Communication System Subsurface Unit
23-A140005	American Mine Research	05/01/14	Model MN-6400 Wireless Node Mine Net Mesh System
23-A140006	American Mine Research	06/20/14	Model WiFi Tag
23-A140007	Vital Alert C1000-IS Through-The-Earth	10/24/14	Model

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	Communication, Inc.		Radio
23-A140003	Comtrol International	07/03/14	Model CU1648 Cross Band Coupler
23-A140008	American Mine Research	12/23/14	Model E30 Mine Net Phone
23-A150001	ecom Instruments	04/10/15	Permissible Ruggedized Handheld Computer Model i.roc Ci70-Ex
23-A150003	JVCKenwood USA Corp.	10/22/15	Models NX-203 VHF and NX-303 UHF Portable Two Way Radios
23-ISA160001	Strata Safety Products	04/20/16	Personnel Tracking Component of the Model PAD02-CL Integrated Alarm Device
23-A160001	Strata Products World-Wide, LLC	05/27/16	Model STE1000 Subsurface Through-The-Earth Communication System
23-A160003	American Mine Research	06/22/16	Model MN-6420 WiFi Beacon Module
23-A160004	Conspec Controls	07/12/16	System Configuration Tracking
23-A170001	The PBE Group	01/09/17	Model PT-TAG
23-A170003	Strata Safety Products	03/10/17	Model SCT-TAG-03 Permissible Tracking TAG
23-A170004	Innovative Wireless Technologies	05/24/17	Model SENTINEL Tracking Tag
23-A170002	Innovative Wireless Technologies	06/09/17	Model Sentinel Wireless Repeater Node
23-ISA170001	3M Svenska AB	12/22/17	Model MT7H79P3E-MSHA-50 Headset And Model FL40107-MSHA-50 PTT Adapter
23-A180001	Mine Site Technologies Pty. Ltd.	02/02/18	Model WRN-Wireless Repeater Node
23-A200001	Innovative Wireless Technologies	06/15/20	Model Sintinel Uniti System
23-A200002	Strata Safety Products	06/10/20	Model SCT-MC2-02 Miner Communicator

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