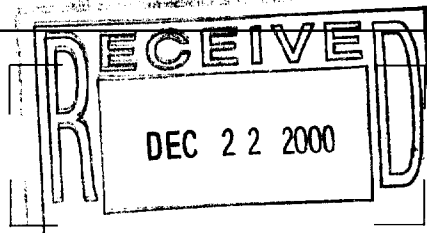


FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

Corrective
M.R.D.
12-22-00



01-31-2001



101580008

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy(ies).

Submission Type

New

Resubmission (Non-Recordation)
Document ID# _____

Correction of PTO Error
Reel # _____ Frame # _____

Corrective Document
Reel # 8568 Frame # 0931

Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other _____

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached Execution Date
Month Day Year

Name (line 1) Westinghouse Electric Corporation

04/04/97

Name (line 2) _____

Second Party

Name (line 1) _____

Execution Date
Month Day Year

Name (line 2) _____

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Crane Nuclear, Inc.

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) _____

Address (line 1) 2825 Cobb International Blvd.

Address (line 2) _____

Address (line 3) Kennesaw Georgia 30152
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

Address (line 4) 000000336 5329465

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT
REEL: 011277 FRAME: 0001

Correspondent Name and Address

Area Code and Telephone Number

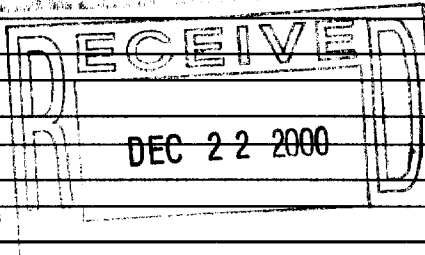
Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)



Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

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<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

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<input type="text" value="4,856,327"/>	<input type="text" value="5,140,853"/>	<input type="text" value="5,009,101"/>
<input type="text" value="4,542,649"/>	<input type="text" value="4,869,102"/>	<input type="text" value="5,000,040"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved. #

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Louis T. Isaf - Reg. No. 29,078

12-18-00

Name of Person Signing

Signature

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)	
Name (line 2)	
Name (line 1)	
Name (line 2)	
Name (line 1)	
Name (line 2)	

Execution Date
Month Day Year

Execution Date
Month Day Year

Execution Date
Month Day Year

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)			
Name (line 2)			
Address (line 1)			
Address (line 2)			
Address (line 3)	City	State/Country	Zip Code
Name (line 1)			
Name (line 2)			
Address (line 1)			
Address (line 2)			
Address (line 3)	City	State/Country	Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)		

Patent Number(s)		
4,891,975	4,977,778	5,159,835
4,930,228	4,936,150	5,239,874
5,142,906	5,533,410	5,257,535
5,504,426	5,469,737	5,524,484
5,499,542	5,433,245	5,684,596

5,671,635

07-09-1997

REC'D



SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
JUN 30 1997
RECEIVED

1. Name of conveying party(ies): **MRD 6-30-97**
WESTINGHOUSE ELECTRIC CORPORATION

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
 Execution Date: April 4, 1997

Name: CRANE COMPANY
 Internal Address:
 Street Address: 100 First Stamford Place
 City: Stamford State: CT Zip: 06902

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) **5329463**
 668754 675958 399417 338367

B. Patent No.(s)
 5,329,465 5,103,681 5,123,283 5,111,690

Additional numbers attached? Yes No

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

Name: Isaf, Vaughan & Kerr
 Internal Address: P.O. Box 720601
Atlanta, Georgia 30358-2601
 Street Address: 900 Circle 75 Parkway
Suite 720
 City: Atlanta State: GA Zip: 30339

6. Total number of applications and patents involved: **49**

7. Total fee (37 CFR 3.41)..... \$ 1960
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number
 (Attach duplicate copy of this page if paying by deposit account)

07/09/1997 VERDUM 00000036 5329463
01 11381 1997.09 07
DO NOT USE THIS SPACE

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.

Louis T. Isaf
Name of Person Signing

Signature

6/25/97
Date

Total number of pages including cover sheet, attachments, and document: **17**

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

Continuation of Patent Numbers

5,115,672
5,228,342
4,856,327
5,140,853
5,009,101
4,542,649
4,690,003
4,693,113
4,712,071
4,660,416
4,860,596
4,759,224
4,672,310
4,813,873
4,869,102
5,000,040
4,891,975
4,977,778
5,159,835
5,154,080
4,782,702
4,852,416
4,930,228
4,936,150
4,888,996
4,912,984
4,949,288
5,239,874
5,142,906
5,199,301
5,548,997
5,305,637
5,533,410
5,257,535
5,504,426
5,469,737
5,524,484
5,454,273
5,499,542
5,433,245
5,563,349
~~3,542,240~~

A S S I G N M E N T

WHEREAS, Westinghouse Electric Corporation, a Pennsylvania corporation having a place of business at 11 Stanwix Street, Pittsburgh, Pennsylvania, 15230, is the owner of the patents and patent applications listed and identified in Attachment A hereby incorporated in and made a part of this Assignment; and

WHEREAS, Crane Company, a Delaware corporation having a place of business at 100 First Stamford Place, Stamford, CT 06902 is desirous of acquiring Westinghouse's entire right, title and interest in and to the aforesaid patents and patent applications in the name of its subsidiary Crane Nuclear, Inc., a Delaware corporation;

NOW, THEREFORE, in accordance with a Purchase Agreement dated April 1, 1997, between ITI Movats, Inc. (a Westinghouse subsidiary) and Crane Company, Westinghouse Electric Corporation has sold, assigned and transferred and by these presents does hereby sell, assign and transfer unto Crane Nuclear, Inc. its entire right, title and interest in and to the patents and patent applications listed in Attachment A to this assignment together with the entire right, title and interest in and to any causes of action for infringement thereof; the same to be held and enjoyed by the said Crane Nuclear, Inc. for its own use, for its legal representatives and its assigns to the full end of the term for which each of said patents is or will be granted as fully and entirely as the same would have been held by Westinghouse Electric Corporation had this assignment and sale not been made.

WESTINGHOUSE ELECTRIC CORPORATION

By: Stephen E. Tritch Date 4-4-97

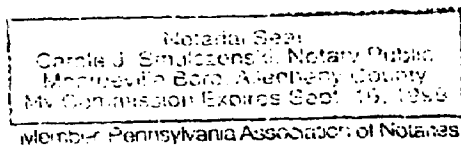
Title: General Manager, Nuclear Services Division

ACKNOWLEDGEMENT

STATE OF PENNSYLVANIA
COUNTY OF ALLEGHENY

On this 4th day of April, 1997, before me personally appeared Stephen E. Tritch, to me personally known to be General Manager, Nuclear Services Division, Westinghouse Electric Corporation, who executed the foregoing Assignment and who acknowledged to me that he executed the same for the purpose herein set forth.

Cathy J. Simons
Notary Public



USA

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
5329465	397323	22AU1989	54047
5103681	556786	09JL1990	56222
5123283	550275	09JL1990	56223
5111690	550175	09JL1990	56236
5115672	653574	11FE1991	56356
5228342	736360	26JL1991	56402
4856327	144949	19JA1988	56426
5140853	830964	06FE1992	56426
5009101	363048	08FE1989	56426
4542649	515353	19JL1983	56713
4690003	741861	06JE1985	56713
4693113	877974	23JE1986	56713
4712071	17937	24FE1987	56713
4660416	818331	13JA1986	56713
4860596	66721	25JE1987	56713
4759224	96338	11SE1987	56714
4672310	794301	01NO1985	56715
4813873	848451	04AP1986	56716
4869102	92648	03SE1987	56716
5000040	446985	06DE1989	56716
4891975	278977	01DE1988	56716
4977778	467911	22JA1990	56717
5159835	654253	12FE1991	56717
5154080	756100	06SE1991	56717
4782702	60747	10JE1987	56718
4852416	226196	27JL1988	56718
	668754	14MR1991	56720
4930228	258659	17OC1988	56720
4936150	209425	21JE1988	56720
	675958	27MR1991	56720
4888996	136911	22DE1987	56722
4912984	168161	15MR1998	56723
4949288	239773	02SE1988	56724
5239874	540577	19JE1990	56725
5142906	550336	09JL1990	56726
5199301	753785	03SE1991	57130
5548997	232570	25AP1994	57130
5305637	25498	03MR1993	57130
5533410	161036	03DE1993	57203
5257535	945457	16SE1992	57293
5504426	987471	07DE1992	57387
5469737	169256	20DE1993	57429
5524484	168503	22DE1993	57452
5454273	375079	17JA1995	57261
5499542	231087	22AP1994	57799
5433245	106854	16AU1993	58012
	399417	06MR1995	58116
5563349	282445	29JL1994	58117
	338367	14NO1994	58248

BELGIUM

PATENT
NUMBER

APPLICATION
NUMBER

FILING
DATE

DOCKET NO.

354240

89920318.8

17JA1989

56426
56726

29

CANADA

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
1316718	588516	18JA1989	56426
1321261	550493	28OC1987	56717

EPC

PATENT
NUMBER

APPLICATION
NUMBER

FILING
DATE

DOCKET NO.

91913685.3
94650037.8

09JL1991
06DE1994

56726
57429

G.BRITAIN

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
2252627	9202734	10FE1992	56356
354240	89902318.8	17JA1989	56426
E0555141	92904345.3	03SE1991	56725
			56725

(32)

GERMANY

PATENT
NUMBER

APPLICATION
NUMBER

FILING
DATE

DOCKET NO.

68911617 9
E0555141

17JA1989
06SE1991

56426
56725
56726

(33)

ITALY

PATENT
NUMBER

APPLICATION
NUMBER

FILING
DATE

DOCKET NO.

E354240

89902318.8

17JA1989

56426

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JAPAN

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
	63-273398	31OC1988	54047
	3-193404	18JL1991	56223
	1-502142	17JA1989	56426
	9-46321	21AP1988	56720
	63-504140	21AP1988	56720
	3-513072	09JL1991	56726
	63-502625	18NO1988	56722

35

PATENT
NUMBER

APPLICATION
NUMBER

PCT

FILING
DATE

DOCKET NO.

PCT/US96/02829
PCT/US95/13761

01MR1996
13NO1995

58116
58248

Page 9

(36)

1

S. KOREA

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
	88/14219	29OC1988	54047
	91/11551	11JE1991	56223
	88/701568	21AP1988	56720

37

SPAIN

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
E0315391	88310209.7	31OC1988	54047
E0555141	92904345.3	03SE1991	56725
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			57429

SWEDEN

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
E354240	89902318.8	17JA1989	56426
E0555141	92904345.3	03SE1991	56725
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			57429

39

SWITZERLAND

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
E354240	89902318.8	17JA1989	56426
E0555141	92904345.3	03SE1991	56725
			56726

40

TAIWAN

<u>PATENT NUMBER</u>	<u>APPLICATION NUMBER</u>	<u>FILING DATE</u>	<u>DOCKET NO.</u>
37545	77106916	06OC1988	54047
54911	80104524	11JE1991	56223
	85102825	08MR1996	58115
	85101348	03FE1996	58248

(41)