Tab settings co co very the set of the thorosopial Commissioner of Patont 100932103 1. Name of conveying party(es): Heung Seak Kang, Kee Nam Song, Kyung Ho Youn, Youn Ho Jung, Tae Hyun Chun, Dong Sack Uh, Wang Kee In, and Je Geon Bang Additional name(e) of conveying party(es) statushed? If Yex XX No 3. Nature of conveyance: Security Agrooment	FOR PTO-1595 (Rev. 6-93) RECO 12-:	30 - 1998 TEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patent 1 Name of conveying party(les): Heung Seok Kang, Kee Nam Song, Kyung Ho Yoon, Yourn Ho Jung, Tae Hyun Chun, Jong Seok Oh, Mang Kee In, and Je Seon Bang Additional name(e) of conveying party(ise) ettached? □ Yes XK No 3. Nature of conveyance: □ Security Agreement □ Change of Name □ Other Execution Date: Movember 20, 1998 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: November 20, 1998 A. Patent Address of party to whom correspondence concerning document should be mailed: Name and address of party to whom correspondence concerning document should be mailed: Name: Gregory P. LaPointe New Haven, CT 06510-2802 Street Address: Street Address: Street Address: 8. Deposit account number: 02-0184 (Attach duplicate copy of this page it paying by deposit account) Do NOT USE THIS SPACE Patentry P. LaPointe Name of Person Signing Stignature Date Date	OMB No. 0651-0011 (exp. 4/94)	
1. Name of conveying party(les): Heung Seok Kang, Kee Nam Song, Kyung Ho Yoon, Youn Ho Jung, Tae Hyun Chun, Dong Seok Oh, Wang Kee In, and Je Geon Bang Additional name(s) of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) attacted? I Yee XX No 3. Nature of conveying party(es) City: State: Internal Address: State: Street Address: Stree		
3. Nature of conveyance: XX Assignment	 Name of conveying party(ies): Heung Seok Kang, Kee Nam Song, Kyung Ho Yoon, Youn Ho Jung, Tae Hyun Chun, Dong Seok Oh, Wang Kee In, and Je Geon Bang 	2. Name and address of receiving party(ies) (50%) (1) Name; Korea Atomic Energy Research Institute Internal Address: 150 Dukjin-dong, Yusong-ku
If this document is being filed together with a new application, the execution date of the application is: November 20, 1998 A. Patent Application No.(s) B. Patent No.(e) Additional numbers attached? □ Yes KXNo 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Gregory P. LaPointe Internal Address: BACHMAN & LaPOINTE, P.C. 900 Chape1 Street, Suite 1201 New Haven, CT 06510-2802 Street Address: Bachman & LaPOINTE, P.C. City: State: ZIP: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is frue and correct and any attached copy is a true copy of the original document. Gregory P. LaPointe Name of Person Signing Signature Date	Security Agreement	Street Address: Street
Name: Gregory P. LaPointe Internal Address: BACHMAN & LaPOINTE, P.C. 900 Chape1 Street, Suite 1201 New Haven, CT 06510-2802 Street Address: 8. Deposit account number: 02-0184 City: State: ZIP: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and gordect and any attached copy is a true copy of the original document. Gregory P. LaPointe Name of Person Signing 9. Signature December 8, 1998 Date	If this document is being filed together with a new applicat A. Patent Application No.(s)	B. Patent No.(s)
Internal Address: BACHMAN & LaPOINTE, P.C. 900 Chapel Street, Suite 1201 New Haven, CT 06510-2802 Street Address: 8. Deposit account number: 02-0184 City: State: ZIP: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and confect and any attached copy is a true copy of the original document. Gregory P. LaPointe Name of Person Signing Signature December 8, 1998 Signature Date		6. Total number of applications and patents involved:
O2-0184 City: State: ZIP: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and confect and any attached copy is a true copy of the original document. Gregory P. LaPointe Name of Person Signing Signature December 8, 1998 Date	Internal Address: BACHMAN & LaPOINTE, P.C. 900 Chapel Street, Suite 1201	XX Enclosed
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and confect and any attached copy is a true copy of the original document. Gregory P. LaPointe Name of Person Signing Signature December 8, 1998 Date		02-0184
To the best of my knowledge and belief, the foregoing information is true and confect and any attached copy is a true copy of the original document. Gregory P. LaPointe December 8, 1998 Name of Person Signing Signature Date	DO NOT U	SE THIS SPACE
	To the best of my knowledge and belief, the foregoing information the original document. Gregory P. LaPointe Name of Person Signing	December 8, 1998 Signature Date

ADDITIONAL NAME & ADDRESS OF RECEIVING PARTY

2. Name and address of receiving part(ies):

(50왕)

(2) Name: Korea Electric Power Corporation

Internal Address: 167 Samsung-dong, Kangnam-ku

Seoul 135-791, Republic of Korea

PATENT REEL: 9661 FRAME: 0134

Assignment

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We, the undersigned, Heung Seok Kang, Kee Nam Song, Kyung Ho Yoon, Youn Ho Jung, Tae Hyun Chun, Dong Seok Oh, Wang Kee In, and Je Geon Bang, all citizens and residents of Korea

Hereby sell, assign and transfer to

- Korea Atomic Energy Research Institute (50%) 150 Dukjin-dong, Yusong-ku Taejon-si 305-353, Republic of Korea
- (2) Korea Electric Power Corporation (50%) 167 Samsung-dong, Kangnam-ku Seoul 135-791, Republic of Korea

a corporationsof Korea having a place of business at

its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled GRID WITH NOZZLE-TYPE COOLANT DEFLECTING CHANNELS FOR USE and is entitled

IN NUCLEAR REACTOR FUEL ASSEMBLIES (Attorney's Docket No.:

, and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignce, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignce, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date	11/20/1998
Date	November 20, 1998
Date	November 20, 1998
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Date	11/00/1998
Date	11/20/1998
Date	Nov. 20, 1998
Date	Nov. 20. 1998

RECORDED: 12/08/1998

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