FORM PTO-1595 1-31-92 Docket No: 0107-0987-2/olp	υ. 10-14-1998	S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Nachts and Trademarks	100849123	ents or copy thereof.
1. Name of conveying party(ies): Ard COENRAADS and Horst GRUENING	2. Name and address of receiving Name: Asea Brown Boveri	
Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No	Address: CH-5401 Baden, Sw	vitzerland
3. Nature of Conveyance: ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other Execution Date: August 3, 1998	Additional name(s) & address(
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the	ne execution date of the application	on is:N/A
A. Patent Application No.(s)	B. Patent No.(s)	
09/118,903		
,	ttached? □ Yes ■ No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of application	s and patents involved:
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law Fourth Floor	7. Total fee (37 CFR 3.41): ■ Enclosed □ Authorized to be charged	
1755 Jefferson Davis Highway Arlington, Virginia 22202	8. Deposit account number: 1 (Attach duplicate copy of this passent)	
08/1998 JSHABAZZ 00000132 09118903 FC:581 40.00 QP DO NOT LISE I	account)	
9. Statement and signature.	THIS SPACE	
To the best of my knowledge and belief, the loregoing information is to of the original document.	Gnuse	copy is a true copy
Marvin J. Spivak Registration No. 24,913 Registration No. 24,913 Total number of pages including cover sheet:3		

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> PATENT REEL: 9501 FRAME: 0041

Assignment Of Application

Page I of 2

	WHEREAS, I (WE) Ard Coenraads, Kievitdwarsstr. 36	
	NL-3514 V6 Utrecht, The Netherlands	
EERT NAMES D RESIDENCE DRESSES OF E INVENTORS:	Horst Grüning, of Obergrundstr. 1	3,
	CH-5430 Wettingen, Switzerland	
		
		
		
		respectively,
SERT TITLE INVENTION:	have invented certain new and useful improvements in:	
	Method and device for driving a turn-off thyristor	
ERT DATE IN- NTORS SIGNED CLARATION:	for which an application for Letters Patent was executed on August 3, 1998	
	(Application No. 09/118,903 , filed July 20, 1998), and
EERT NAME D ADDRESS OF MPANY OR HER ASSIGNEE:	WHEREAS, Asea Brown Boveri AG	
HER ASSIGNEE.	(hereinafter referred to as "ASSIGNEE") having a place of business at:	
	CH-5401 Baden, Switzerland	,
	is desirous of acquiring the entire right, title and interest in and to said invention and Letters Patent that may be granted therefore in the United States and its territorial posse any and all foreign countries;	in and to any essions and in

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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PATENT REEL: 9501 FRAME: 0042 I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	1998-08-03	Ard Coenrads And Commands (Signature of Inventor)
Date:	1998-08-03	Horst Grining Horst Juning (Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:_		(Signature of Inventor)
Date:		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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PATENT REEL: 9501 FRAME: 0043