502112964 10/31/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jurgen HAFNER	10/18/2012
Gunnar ASPLUND	10/22/2012

RECEIVING PARTY DATA

Name:	ABB TECHNOLOGY AG	
Street Address:	Affolternstrasse 44	
City:	ZURICH	
State/Country:	SWITZERLAND	
Postal Code:	CH-8050	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13643945

CORRESPONDENCE DATA

Fax Number: 7032058050

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

٦F

Phone: (703) 205-8000

Email: mailroom@bskb.com, lboone@bskb.com Birch, Stewart, Kolasch & Birch, LLP Correspondent Name:

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ATTORNEY DOCKET NUMBER:	6046-0149PUS1	
NAME OF SUBMITTER:	paul c. lewis	

Total Attachments: 4

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PATENT REEL: 029220 FRAME: 0289

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UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application N	No.: 13/643,945	Filed: October 26, 2012
Insert Name(s) of Inventor(s)	With the control of t	ND s (have) invented certain new and useful improvements in:
Insert Title of Invention	→ A HIGH VOLTAGE DC BREAKER APPARATU	US
	for which an application for Letters Patent of undersigned (except in the case of a provisional a	the United States of America has been executed by the application)
Insert Date of Signing of Appln.	on October 18, 2012	
Insert Name of Assignee	⇒ WHEREAS, ABB TECHNOLOGY AG	
Insert Address of Assignee	⇒ of Affolternstrasse 44, CH-8050 ZÜRICH, Switze	erland
	its heirs, successors, legal representatives and ass of acquiring the entire right, title and interest in that may be granted therefor in the United States	ssigns (hereinafter designated as the Assignee) is desirous n and to said invention and in and to any Letters Patent(s) s of America and
Check Box if Appropriate	⇒ in any foreign countries.	
	the undersigned has (have) sold, assigned and transfer unto said Assignee the full and exc. America, its territories, dependencies and posses	nsideration, the receipt of which is hereby acknowledged, transferred, and by these presents does (do) sell, assign clusive right to the said invention in the United States of essions and the entire right, title and interest in and to any I therefor in the United States of America, its territories,

dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

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terms for which the same may be granted.

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BSKB-ASSIGN-SINGLE (09-12) PCL/PCL/tdv The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	7012-10-18	Name of Inventor	Jein Lie Le (Signature) Jurgen HÄFNER
Date		Name of Inventor	(Signature) Gunnar ASPLUND
Date		Name of Inventor	(Signature)
Date		Name of Inventor	(Signature)
Date ₋		Name of Inventor	(Signature)
Date _		Name of Inventor	(Signature)

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UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application 1	Vo.:	13/643,945	ileđ: (October 26, 2012	
Insert Name(s) of Inventor(s)		""(Given Name FAMILY NAME (ALL CAPS))" WHEREAS, Jurgen HÄFNER, Gunnar ASPLUND (hereinaffer designated as the undersigned) has (have	e) inven	fed certain new and useful improvements in	-
asert Title of Invention		A HIGH VOLTAGE DC BREAKER APPARATUS		,	
	e 4	for which an application for Letters Patent of the Undersigned (except in the case of a provisional appli	Inited S cation)	itates of America has been executed by the	•
Insert Date of Signing of Appln:	⇒ ,	on October 22, 2012		and	
Insert Name of Assignee	es j	WHEREAS, ABB TECHNOLOGY AG			
Insert Address of Assignee	⇒ (of Affolternstrasse 44, CH-8050 ZÜRICH, Switzerland	-		
	_	its heirs, successors, legal representatives and assigns of acquiring the entire right, title and interest in and t that may be granted therefor in the United States of Ar	O SAId II	italitan need the sound as a reason of an	
Check Box if Appropriate	⇔ [in any foreign countries.			
	a A a d	NOW, THEREFORE, for good and valuable considerate undersigned has (have) sold, assigned and transfund transfer unto said Assignee the full and exclusive America, its territories, dependencies and possessions and all Letters Patent(s) which may be granted there be all divisions, reissues, confinuations, assessions, and all divisions, reissues, confinuations, assessions, and all divisions, reissues, confinuations, assessions.	erred, a a right to and the for in the designa	nd by these presents does (do) sell, assign of the said invention in the United States of entire right, title and interest in and to any ne United States of America, its territories, ted, in any and all foreign countries, and to	

any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

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terms for which the same may be granted.

Page 1

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The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

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The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	Name of Inventor	(Signature) Jurgen HARNER
Late 2012 - 10 - 22	Name of Inventor	
Date	Name of Inventor	(Signature)
Date	Name of Inventor	(Signature)
Date	Name of Inventor	(Signature)
Date	Name of Inventor	(Signature)
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PATENT REEL: 029220 FRAME: 0293

RECORDED: 10/31/2012