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Table with 6 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL FEE REC'D, ATTY,DOCKET,NO, TOT CLAIMS, IND CLAIMS. Row 1: 61/187,507, 06/16/2009, 110, 493331/0030

CONFIRMATION NO. 3584

26610
STROOCK & STROOCK & LAVAN LLP
180 MAIDEN LANE
NEW YORK, NY 10038

FILING RECEIPT



Date Mailed: 06/25/2009

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Glenn J. Luzzi, Mt. Bethel, PA;

Power of Attorney:

Charles Cantine--43531

If Required, Foreign Filing License Granted: 06/22/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US 61/187,507

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

CONNECTOR WITH SWITCHABLE TAP

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international

patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

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LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET – Page 1 of 2

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No. FILED ELECTRONICALLY (VIA EES)

INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Glenn J.	Luzzi	Mt. Bethel, PA
Additional inventors are being named on the _____ separately numbered sheets attached hereto		
TITLE OF THE INVENTION (500 characters max):		
CONNECTOR WITH SWITCHABLE TAP		
Direct all correspondence to: CORRESPONDENCE ADDRESS		
<input checked="" type="checkbox"/> The address corresponding to Customer Number: 26610		
OR		
<input type="checkbox"/> Firm or Individual Name		
Address		
City	State	Zip
Country	Telephone	Email
ENCLOSED APPLICATION PARTS (check all that apply)		
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 <input type="checkbox"/> CD(s), Number of CDs _____		
<input checked="" type="checkbox"/> Drawing(s) Number of Sheets <u>1</u> <input type="checkbox"/> Other (specify) _____		
<input checked="" type="checkbox"/> Specification (e.g. description of the invention) Number of Pages <u>2</u>		
Fees Due: Filing Fee of \$220 (\$110 for small entity). If the specification and drawings exceed 100 sheets of paper, an application size fee is also due, which is \$270 (\$135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).		
METHOD OF PAYMENT OF THE FILING FEE AND APPLICATION SIZE FEE FOR THIS PROVISIONAL APPLICATION FOR PATENT		
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		
<input type="checkbox"/> A check or money order is enclosed to cover the filing fee and application size fee (if applicable).		<div style="border: 1px solid black; padding: 5px; display: inline-block;">\$110.00</div> TOTAL FEE AMOUNT (\$)
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached		
<input checked="" type="checkbox"/> The Director is hereby authorized to charge the filing fee and application size fee (if applicable) or credit any overpayment to Deposit Account Number: <u>19-4709</u>		

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PROVISIONAL APPLICATION COVER SHEET
Page 2 of 2

PTO/SB/16 (10-08)

Approved for use through 06/30/2010. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.



No.

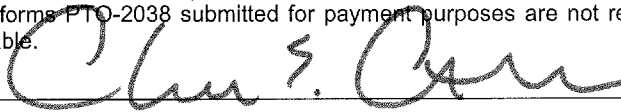


Yes, the name of the U.S. Government agency and the Government contract number are: _____

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SIGNATURE



Date **June 16, 2009**

TYPED or PRINTED NAME

Charles E. Cantine

REGISTRATION NO. **43,531**

(if appropriate)

TELEPHONE **212-806-5400**

Docket Number: **493331/0030**

Y-Joint With VI Switchable Tap
Disclosure – May 11, 2009
Glenn J. Luzzi

Current Technology:

Currently, sub-service switches require significant space which is not available in most underground vaults and enclosures. In many instances these structures are barely large enough to accommodate the existing cables and joints.

Disconnectable joints are used in many underground jointing applications because of the ability to quickly disconnect cable legs for service issues or to reconfigure the circuit using many accessory devices.

The use of disconnectable 1-Way to 2-Way (e.g.; a disconnectable Y) joints is quite prevalent in that it provides the ability to continue the primary feeder (in and out) and also provides a tap for local transformers or lateral circuits. A drawback of such circuit configurations is that whenever a circuit problem arises on these taps it results in breaker operation at the substation, which, in turn drops the entire feeder.

Another short coming of the existing disconnectable joint system is that all operations must be performed with the circuit de-energized. Thus, if a circuit problem arises on the tap circuit the substation breaker automatically open thus de-energizing the entire feeder. The source of the fault condition is then systematically identified by field crews. Once found the tap circuit must be electrically isolated from the feeder using appropriate accessory devices. The feeder can then be re-established by closing the substation breaker. Because the tap has been electrically isolated it can be safely repaired. Once this is accomplished the feeder must again be removed from service to allow the tap to be re-connected to the Y joint.

Current Invention:

The current invention provides a 600A disconnectable joint system (e.g.; a 1-Way to 2-Way Y joint) with:

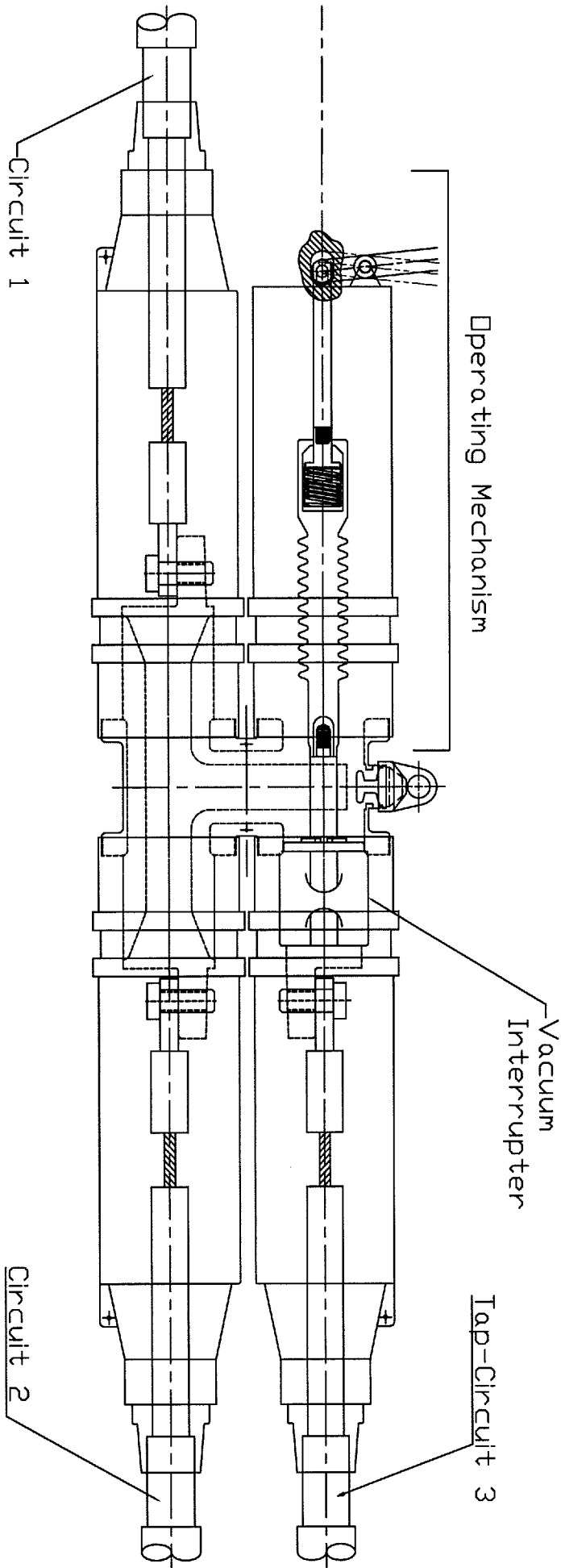
- A conventional in – out configuration (Circuit A to Circuit B)
- A tap (to Circuit C) is provided, capable of automatically opening if the Circuit C (transformer circuit or lateral circuit) fails. The

operation of the vacuum interrupter will thus electrically isolate the tap without tripping the substation breaker.

- Another option for this tap rather than automatic operation is manual operation of the vacuum interrupter. This would then provide for subsequent rapid re-energization of the tap without dropping the entire feeder at the substation.

Automatic or manual operation of the tap is accomplished by incorporating a series connected vacuum interrupter from the Y bus to the Circuit C cable attachment. The mechanism for operation of the VI is contained on the opposite side of the bus from the VI.

The above scheme can also be applied to a 1-Way to 1-Way (straight) configuration by simply blanking off the unused cable leg.



RICHARDS Y SWITCH CONCEPT

Drawn By:
 Jeff Madden
 5/11/2009

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	CONNECTOR WITH SWITCHABLE TAP
First Named Inventor/Applicant Name:	Glenn J. Luzzi
Filer:	Charles E Cantine/Lucille Assevero
Attorney Docket Number:	493331/0030

Filed as Small Entity

Provisional Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Provisional Application filing fee	2005	1	110	110

Pages:

Claims:

Miscellaneous-Filing:

Petition:

Patent-Appeals-and-Interference:

Post-Allowance-and-Post-Issuance:

Extension-of-Time:

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				110

Electronic Acknowledgement Receipt

EFS ID:	5527345
Application Number:	61187507
International Application Number:	
Confirmation Number:	3584
Title of Invention:	CONNECTOR WITH SWITCHABLE TAP
First Named Inventor/Applicant Name:	Glenn J. Luzzi
Customer Number:	26610
Filer:	Charles E Cantine/Lucille Assevero
Filer Authorized By:	Charles E Cantine
Attorney Docket Number:	493331/0030
Receipt Date:	16-JUN-2009
Filing Date:	
Time Stamp:	17:02:23
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$110
RAM confirmation Number	3428
Deposit Account	194709
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Provisional Cover Sheet (SB16)	ProvisionalCoverSheet.pdf	172105 <small>3fc7826ac5a50cada3e44bb9adf15cb417e150f1</small>	no	2

Warnings:

This is not a USPTO supplied Provisional Cover Sheet SB16 form.

Information:

2		Specification.pdf	158925 <small>17ee0ebc87b0d17e2738263cbdc465c7a7a5fd42</small>	yes	3
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Multipart Description/PDF files in .zip description

	Document Description	Start	End
	Specification	1	2
	Drawings-only black and white line drawings	3	3

Warnings:

Information:

3	Fee Worksheet (PTO-875)	fee-info.pdf	29522 <small>3bdfa7b44f047c6320a1ecbeaf68fa4c49919dd5</small>	no	2
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Warnings:

Information:

Total Files Size (in bytes):			360552		
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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