

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Martin D. Tabat	08/31/2011
Christopher K. Olsen	08/31/2011
Yan Shao	09/01/2011
Ruairidh MacCrimmon	08/31/2011
RECEIVING PARTY DATA	
Name:	TEL Epion Inc.
Street Address:	37 Manning Road
City:	BillERICA
State/Country:	MASSACHUSETTS
Postal Code:	01821
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13223906
CORRESPONDENCE DATA	
Fax Number: (480)539-2100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (480) 539-2102 Email: TEHIPDocket@us.tel.com Correspondent Name: Tokyo Electron U.S. Holdings, Inc. Address Line 1: 2545 W. Frye Rd. Address Line 2: Suite 1 Address Line 4: Chandler, ARIZONA 85224	
ATTORNEY DOCKET NUMBER:	EP-195
NAME OF SUBMITTER:	Eric Strang
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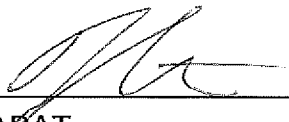
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 REEL: 026846 FRAME: 0001

ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, I/we, **Martin D. TABAT, Christopher K. OLSEN, Yan SHAO & Rauridh MACCRIMMON**, hereby assign to **TEL Epion Inc.**, a Corporation of Delaware and having a place of business at **37 Manning Road, Billerica, Massachusetts 01821**, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent filed herewith, entitled **GAS CLUSTER ION BEAM ETCHING PROCESS FOR ACHIEVING TARGET ETCH PROCESS METRICS FOR MULTIPLE MATERIALS**, and filed on 09/01/2011 as Patent Application No. 13/223,906 preparatory to obtaining Letters Patent of the United States therefore, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substituted therefore, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment. I hereby authorize and request that any one of the attorneys or agents of Tokyo Electron U.S. Holdings, 2400 Grove Boulevard, Austin, Texas 78741, to insert herein the filing date and application serial number of said application when known.

Inventor's Signature:  Date: 8/31/11
Full Name: Martin D. TABAT

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Inventor's Signature:  Date: 8/31/11

Full Name: Christopher K. OLSEN

Residence: 22 Leblanc Drive, Peabody, MA 01960

Inventor's Signature: Yan Shao Date: 9/1/2011

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Inventor's Signature: Ruairidh C. MacCrimmon Date: 8-31-11

Full Name: Ruairidh MACCRIMMON

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