

	Conn Center for Renewable Energy Research Impact Report 2010 - 2020 PATENTS ISSUED CONN CENTER ASSOCIATED FACULTY												
		TOTAL PATENTS	29										
Track Code	Intellectual Property Title	Name	Patent Number	Issue Date	Country of Filing	Type	Application/ Provisional Number	Filing Date	Priority Date	Priority Application Number	Status	Track Code #	Affiliation
				2010									
08018	METHOD FOR ELECTROSTATIC DEPOSITION OF GRAPHENE ON A SUBSTRATE	Robert Cohn	7,790,242	09/07/10	United States	Non-Provisional	12/248,096	10/09/08	10/09/07	60/978,516	Issued	08018-02	Electrical & Computer Engineering
				2011									
06003	CAPILLARY ELECTROPHORESIS SYSTEMS AND METHODS	Richard Baldwin, Kevin Walsh	7,988,839	08/02/11	United States	Non-Provisional	11/524,357	09/20/06	09/20/05		Issued	06003-04	Chemistry, Electrical & Computer Engineering
				2012									
07007	ANALYTE COLLECTION DEVICES AND METHODS	Kevin Walsh	8,088,341	01/03/12	United States	Non-Provisional	11/881,333	07/25/07			Issued	07007-02	Electrical & Computer Engineering
07060	METALLIC NANOSTRUCTURES SELF-ASSEMBLY AND TESTING METHODS	Robert Cohn, Francis Zamborini	8,132,611	03/13/12	United States	Non-Provisional	12/156,534	06/02/08	06/01/07	60/932,919	Issued	07060-03	Electrical & Computer Engineering, Chemistry
07073	CHEMICAL SENSORS FOR DETECTING VOLATILE ORGANIC COMPOUNDS AND METHODS OF USE	Francis Zamborini	8,153,439	04/10/12	United States	Non-Provisional - US Natl Stage	12/279,950	08/19/08	07/26/07	PCT/US08/71275	Issued	07073-05	Chemistry
07073	CHEMICAL SENSORS FOR DETECTING HYDROGEN AND METHODS OF USE	Francis Zamborini	8,168,438	05/01/12	United States	Non-Provisional - US Natl Stage	12/279,936	08/19/08	07/26/07	60/952,125	Issued	07073-04	Chemistry
08029	INTERCHANGEABLE PRECONCENTRATOR CONNECTOR ASSEMBLY	Kevin Walsh	8,178,045	05/15/12	United States	Non-Provisional	12/337,449	12/17/08	12/17/07	61/007,873	Issued	08029-02	Electrical & Computer Engineering
				2013									
09015	SENSORS AND SWITCHES FOR DETECTING HYDROGEN	Francis Zamborini	8,383,412	02/26/13	United States	Non-Provisional	12/609,669	10/30/09	10/30/08	61/109,182	Issued	09015-02	Chemistry
04039	MICRO SCALE FLOW THROUGH SORBENT PLATE COLLECTION DEVICE	Kevin Walsh	8,409,510	04/02/13	United States	Nonprovisional-CIP	11/542,453	10/02/06	06/10/03	60/477,032	Expired	04039-16	Electrical & Computer Engineering
07007	ACTIVELY COOLED VAPOR PRECONCENTRATOR	Kevin Walsh	8,448,532	05/28/13	United States	Non-Provisional	12/406,766	03/18/09			Expired	07007-04	Electrical & Computer Engineering
09054	ELEMENT THREE TERMINAL PIEZORESISTIVE PRESSURE SENSOR	Kevin Walsh	8,525,279	09/03/13	United States	Non-Provisional	12/794,288	06/04/10	06/04/09	61/184,200	Issued	09054-02	Electrical & Computer Engineering
				2014									
07054	SYSTEM AND METHOD FOR REMOTE SAMPLING OF CONDITIONS USING WIRED SENSORS CONNECTED TO WIRELESS NODES	Cindy Harnett	8,648,734	02/11/14	United States	Non-Provisional - US Natl Stage	12/676,450	03/04/10	09/12/08	60/972,044	Issued	07054-03	Electrical & Computer Engineering
08005	LARGE VOLUME ANALYTE PRECONCENTRATOR	Kevin Walsh	8,771,613	07/08/14	United States	Non-Provisional - US Natl Stage	13/056,091	01/26/11	07/31/09	61/137554	Issued	08005-03	Electrical & Computer Engineering
				2016									
11102	AUTOMATED GENERATION OF MASK FILE FROM THREE DIMENSIONAL MODEL FOR USE IN GRAYSCALE LITHOGRAPHY	Kevin Walsh	9,275,173	03/01/16	United States	Non-Provisional - US Natl Stage	14/396,977	10/24/14	04/25/12	61/638,279	Issued	11102-03	Electrical & Computer Engineering
13090	Recycling of styrene butadiene rubber and like materials	Gerold Willing	9,458,303	10/04/16	United States	Non-Provisional	14/560,614	12/04/14	12/04/13	61/911,546	Issued	13090-02	Chemical Engineering
				2018									
14066	Pre-Treatment of Samples by Electrochemical Removal of Dissolved Gases	Richard Baldwin	10,058,818	08/28/18	United States	Non-Provisional	14/722,791	05/27/14	05/27/14	62/003,267	Issued	14066-02	Chemistry

16018	Heat Pipe Augmented Passive Solar Heating System	Michael Sharp	10,060,681	08/28/18	United States	Non-Provisional	14/722,791	09/21/16	09/25/15	62/232,676	Issued	16018-02	Mechanical Engineering
14066	Pre-Treatment of Samples by Electrochemical Removal of Dissolved Gases	Richard Baldwin	10,058,818	08/28/18	United States	Non-Provisional	14/722,791		5/27/14	62/003,267	Issued	14066-02	Chemistry
				2019									
15058	Electrochemical Determination of Heavy Metals	Richard Baldwin	10,191,009	01/29/19	United States	Non-Provisional	15/061,194		3/5/15	62/128,953	Issued	15058-02	Chemistry
20011	METHOD FOR OPERATING A LINEAR COMPRESSOR	Michael McIntyre	10,208,741	04/30/19	United States	Non-Provisional	14/607,365		1/28/15		Issued	20011-01	Electrical & Computer Engineering
20014	METHOD FOR OPERATING A COMPRESSOR	Michael McIntyre	10,273,948	04/30/19	United States	Non-Provisional	15/921,801		3/15/18		Issued	20014-01	Electrical & Computer Engineering
15061	Bilayer Microvalve Arrays for Pneumatic and Fluidic Applications	Shamus McNamara	10,288,191	05/14/19	United States	Non-Provisional	15/388,332		12/23/15	62/387,258	Issued	15061-02	Electrical & Computer Engineering
20012	METHODS FOR OPERATING A SYNCHRONOUS MOTOR	Michael McIntyre	10,291,160	05/14/19	United States	Non-Provisional	15/916,320		3/9/18		Issued	20012-01	Electrical & Computer Engineering
20011	Method For Operating a Linear Compressor	Michael McIntyre	10502201	12/10/19	United States	Non-Provisional	14/607,374	1/28/15			Issued	20011-04	Electrical & Computer Engineering
				2020									
18074	garment manufacturing system and method	John Naber	10561541	02/18/20	United States	Non-Provisional	16/127,900	9/11/18	9/11/18		Issued	18074-01	Electrical & Computer Engineering
16095	ANISOTROPIC CONDUCTIVE THREADS FOR ELECTRICAL CONNECTIONS IN SOFT ELECTRONICS	Cindy Harnett	10612172	04/07/20	United States	Non-Provisional - US Natl Stage	16/344,212	10/24/17	10/24/16	62/411,930	Issued	16095-03	Electrical & Computer Engineering
20014	Method for operating a rolling piston compressor	Michael McIntyre	10823172	11/03/20	United States	Non-Provisional	15/911,226	3/5/18			Issued	20014-02	Electrical & Computer Engineering
20011	METHOD FOR OPERATING A LINEAR COMPRESSOR	Michael McIntyre	10830230	11/10/20	United States	Non-Provisional	15/397,770	1/4/17			Issued	20011-07	Electrical & Computer Engineering
15061	Bilayer Microvalve Arrays for Pneumatic and Fluidic Applications	Shamus McNamara	10851914	12/01/20	United States	Non-Provisional-DIV	16/402,693	12/22/16	12/23/15	62/387,258	Issued	15061-03	Electrical & Computer Engineering
				2022									
18021	SEMICONDUCTING MATERIALS WITH SURROUNDING RADIAL P-N DIODES	Cindy Harnett	11,515,433	11/29/22	United State	United States	16/960,407	7/8/20			Issued	18021-03	Electrical & Computer Engineering