

David R. Beaulieu

Fletcher Hill Innovations

Issued US Patents

06/06/17	9,670,010	"Substrate loading and unloading station with buffer"
06/14/16	9,368,332	"Microchannel plate devices with tunable resistive films"
06/23/15	9,064,676	"Microchannel plate devices with tunable conductive films"
06/04/13	8,454,293	"A substrate processing apparatus having a station..."
08/07/12	8,237,129	"Microchannel plate devices with tunable resistive films"
07/24/12	8,227,965	"Microchannel plate devices with tunable resistive films"
11/08/11	8,052,884	"Method of fabricating microchannel plate devices with..."
12/21/10	7,855,493	"Microchannel plate devices with multiple emissive layers"
07/20/10	7,759,138	"Silicon microchannel plate devices with smooth pores..."
03/16/10	7,677,859	"Substrate loading and unloading station with buffer"
09/16/08	7,425,713	"Synchronous raster scanning lithographic system"
08/05/08	7,408,142	"Microchannel amplifier with tailored pore resistance"
10/31/06	7,128,631	"Soft lithographic process for fabricating integrated ITO electrode..."
03/13/04	6,719,517	"Substrate processing apparatus with independently..."
03/15/03	6,547,510	"Substrate transport apparatus with coaxial drive shafts..."
08/28/01	6,279,412	"Corrosion resistant exoskeleton arm linkage assembly"
11/23/99	5,991,510	"Removable memory device to store robotic application..."
11/23/99	5,990,915	"Time recorder with code reader and data storage"
03/16/99	5,992,413	"Substrate processing apparatus having a substrate transport..."
01/25/94	5,281,996	"Photolithographic reduction imaging of extended field"
03/31/92	5,101,226	"Distance and tilt sensing apparatus"

Publications

2016	ALD	"Optimization of ALD Al ₂ O ₃ for Surface Passivation of Solar Cell"
2015	AIP	"Catalyst synthesis and evaluation using an integrated atomic layer..."
2012	MRS	"Extreme surface area microchannel plate device fabricated with ALD"
2011	ALD	"Platinum Thin Film Properties in High Aspect Ratio Structures..."
2010	ALD	"Atomic Layer Deposition and Characterization of MgO..."
2009	iWoRiD	"Plastic Microchannel Plates with Nano-engineered Films"
2009	NSS	"Technology for Efficient Detection of Special Nuclear Materials"
2009	IEEE	"Novel Fast Neutron Counting Technology for Efficient Detection..."
2008	iWoRiD	"Nano-engineered ultra-high gain microchannel plates"
2006	CPO-7	"3D Microscopic Model of Electron Amplification ..."
2005	MNE	"Advances in microchannel amplifiers for mask less lithography"
1997	Industry Week	"Achieving Competitive Advantage: Time-to-market"
1987	SPIE	"Dark Field, A Practical Approach To Alignment"
1984	SPIE	"Effects of Semiconductor Processing Upon Focusing Properties..."