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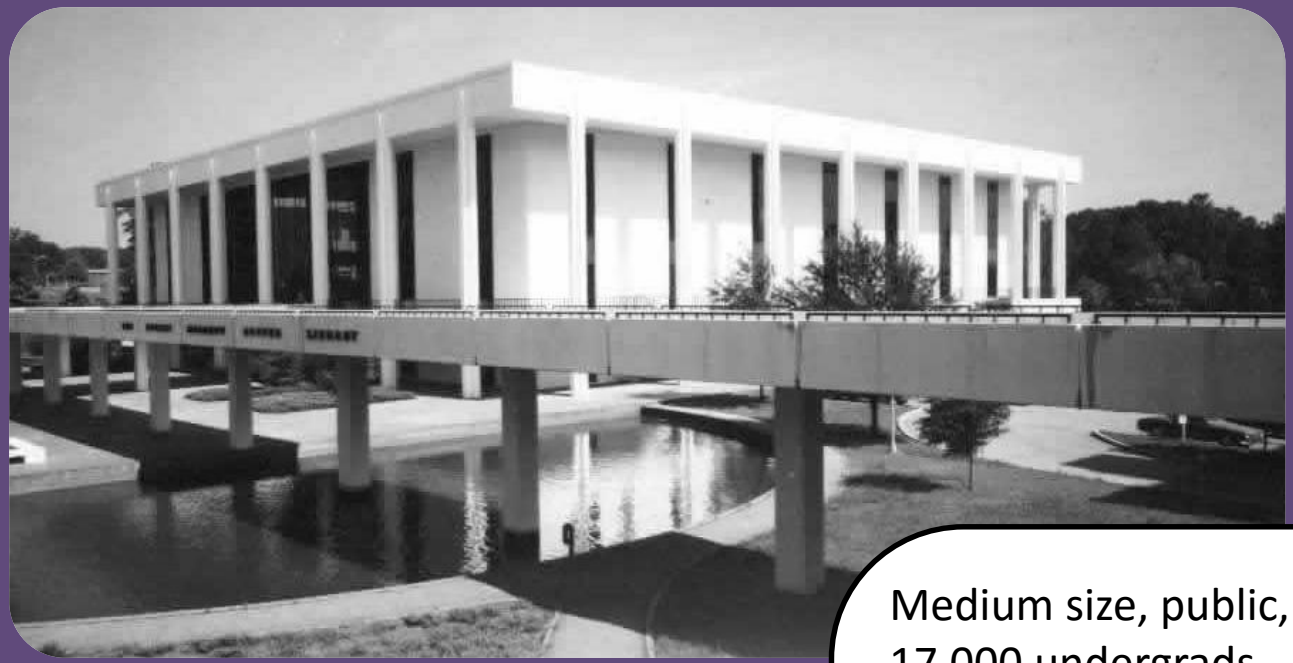

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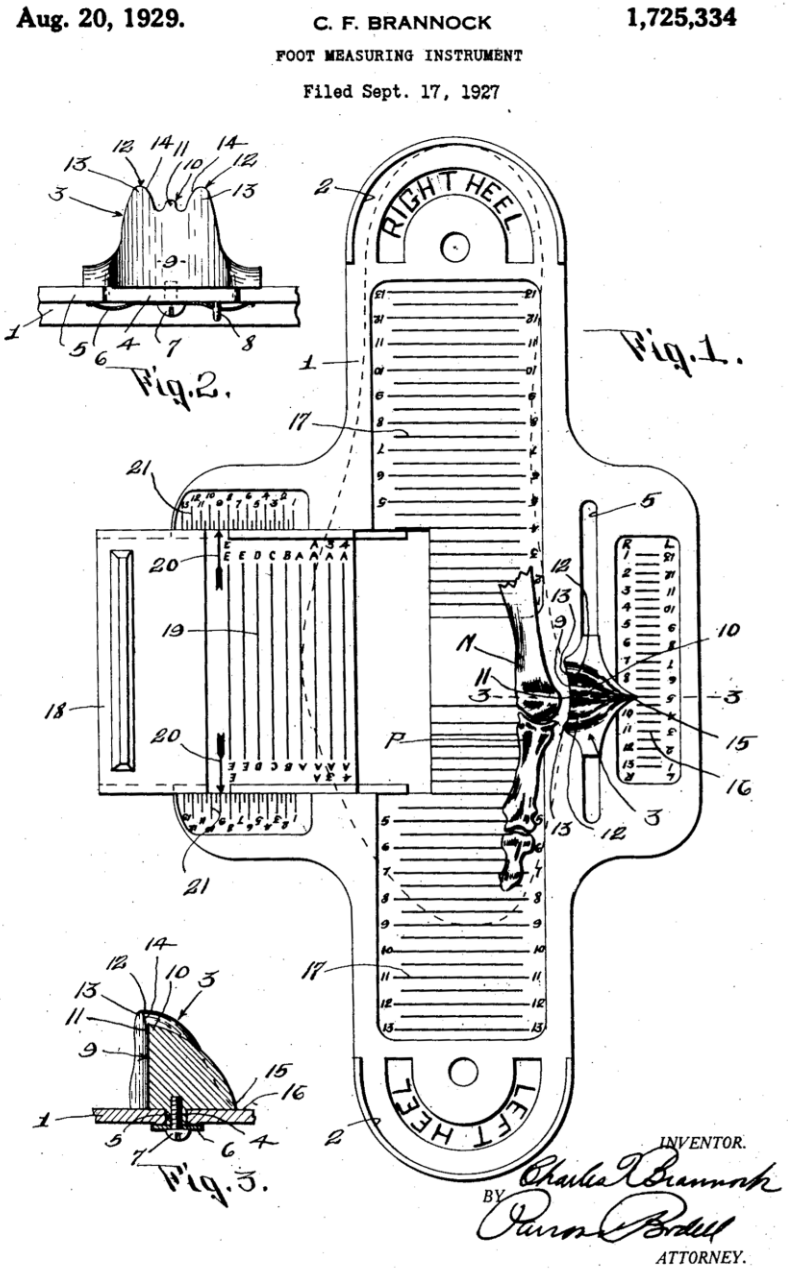

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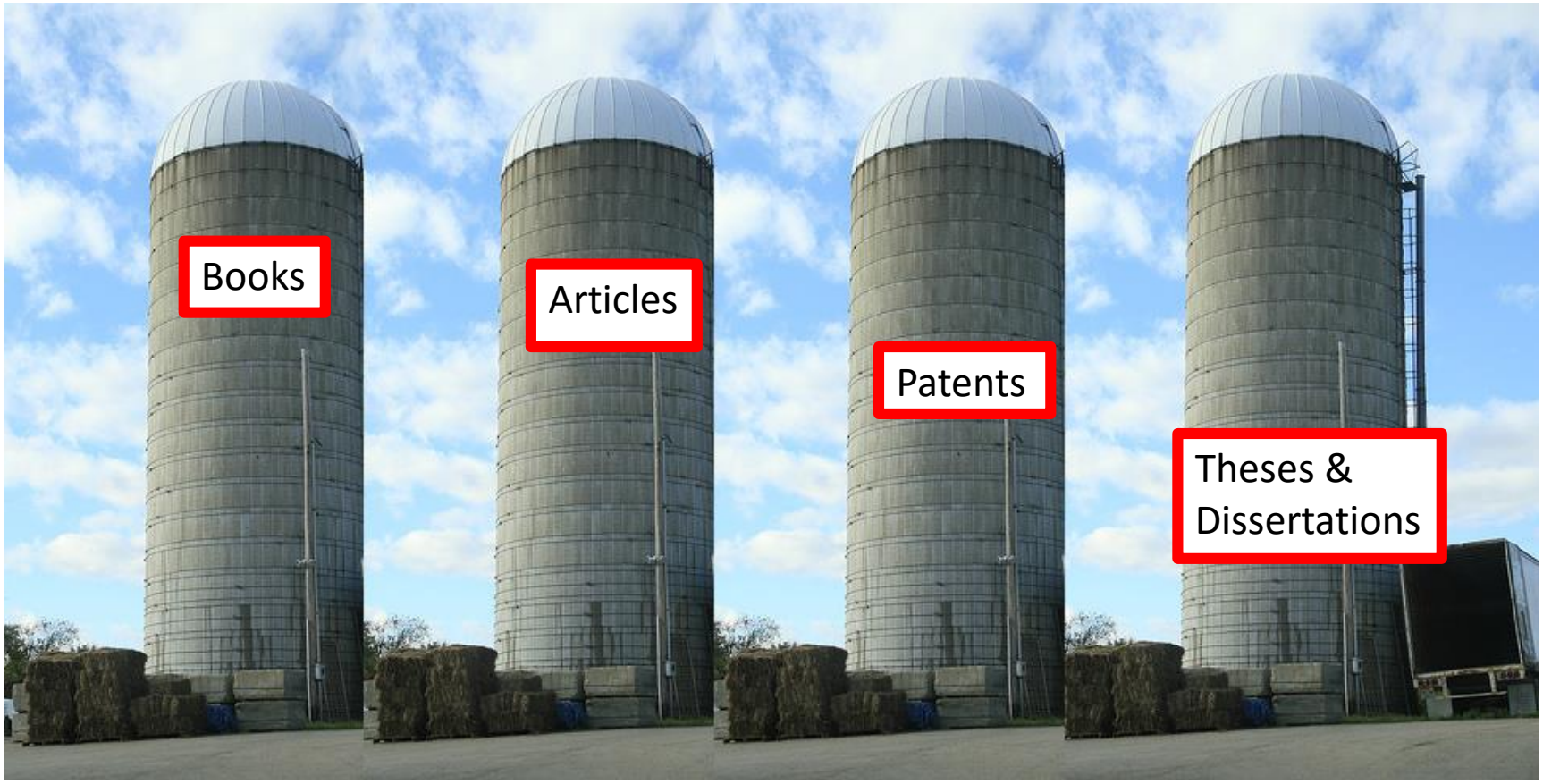

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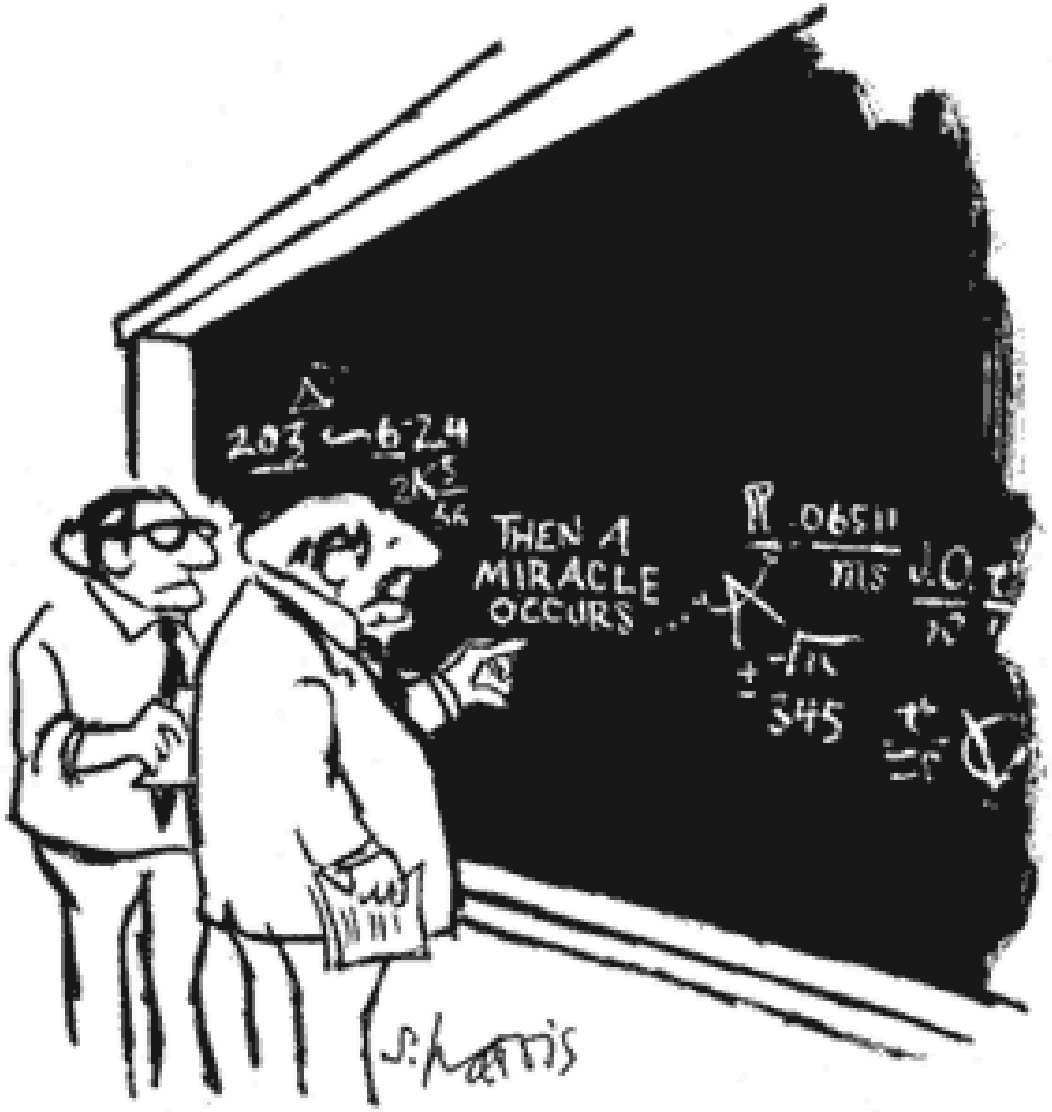

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A523 | US20140046191

	A	B	C	D	E	F	G	H	I	J	K
1	Document Number	Document Type	Publication Date	Title	Abstract	Inventor Name	Assignee	Application Number	Filing Date	Primary Class	Other Class
2	3665689	US	1972-05-30	HARVESTER	A harvester for removing pods from okra stalks or the like. A pair of e		Clemson University (Clemson, SC	05/049259	1970-06-24	56/27.5	
3	3695014	US	1972-10-03	TOBACCO HARVESTERS	A tobacco harvester comprising a	Alphin, John G. (Florence, SC); Pi	Clemson University (Clemson, SC	05/012024	1970-02-17	56/27.5	
4	3965737	US	1976-06-29	Method and apparatus for indicati	A method and device for indicating	Matthews, Hubert B. (301 Lindsay Ave., Greenwood, SC, 29646)		05/549675	1975-02-13	73/160	73/795, 73/828, 73/847
5	4038808	US	1977-08-02	Tobacco harvester	A tobacco harvester is disclosed tl	Patten, Frank C. (Florence, SC); A	Clemson University (Clemson, SC	05/622906	1975-10-16	56/27.5	
6	4152904	US	1979-05-08	Absorption heating-cooling system	An improved heating or cooling sy	Hester, Jarrett C. (Clemson, SC)	Clemson University (Clemson, SC	05/839763	1977-10-06	62/476	62/495
7	4159745	US	1979-07-03	Crop uprooting and soil working a	An elongated bar soil working app	Hood, Clarence E. (Clemson, SC)	Clemson University (Clemson, SC	05/859227	1977-12-09	172/44	171/138, 172/48
8	4170100	US	1979-10-09	Tree shaker	A device operable for engagemen	Hood Jr., Clarence E. (Clemson, S	Clemson University (Clemson, SC	05/834325	1977-09-19	56/340.1	
9	4171723	US	1979-10-23	Crop uprooting and soil cultivating	Crop uprooting and cultivating app	Hood, Clarence E. (Clemson, SC)	Clemson University (Clemson, SC	05/859226	1977-12-09	172/1	172/6, 172/38, 172/44
10	4199913	US	1980-04-29	Orchard fruit handling system	Orchard fruit handling apparatus f	Hood, Clarence E. (Clemson, SC)	Clemson University (Clemson, SC	05/966618	1978-12-05	53/244	53/248, 53/391, 56/16.6,
11	4464851	US	1984-08-14	Underwater harvester for marine li	A mechanical harvester for marine	Collier, John A. (Pendleton, SC)	Clemson University (Clemson, SC	06/389957	1982-06-18	37/309	37/315, 37/336
12	4488319	US	1984-12-18	Method of two-stage implantation	A two step surgical technique for i	Von Recum, Andreas F. (Clemson	Clemson University (Clemson, SC	06/314798	1981-10-26	128/898	
13	4491987	US	1985-01-08	Method of orthopedic implantation	An improved process for orthoped	Park, Joon B. (Clemson, SC)	Clemson University (Clemson, SC	06/078225	1979-09-24	623/23.59	
14	4497265	US	1985-02-05	Seeding implement	A seeding implement which includ	Hood Jr., Clarence E. (Clemson, S	Clemson University (Clemson, SC	06/481789	1983-04-04	111/177	221/274, 221/286
15	4629005	US	1986-12-16	Bulb, root, and leafy vegetable ha	A harvester for bulb, root and leafy	Hood Jr., Clarence E. (Clemson, S	Clemson University (Clemson, SC	06/619458	1983-12-01	171/20	56/327.1, 171/25, 171/6
16	4642124	US	1987-02-10	Hip prosthesis	An improved hip prosthesis desig	Cooke, Francis W. (Clemson, SC)	Clemson University (Clemson, SC	06/619496	1984-06-11	623/23.17	
17	4707409	US	1987-11-17	Spinneret orifices and four-wing fil	Spinneret having an orifice define	Phillips, Bobby M. (Kingsport, TN)	Eastman Kodak Company (Roche	06/890270	1986-07-29	428/397	57/243, 57/246, 57/248,
18	4715773	US	1987-12-29	Method and apparatus for repositi	An apparatus and method for tran	Parker, Joey K. (Tuscaloosa, AL);	Clemson University (Clemson, SC	06/872219	1986-06-09	414/730	318/568.21, 414/800, 70
19	4716044	US	1987-12-29	Process for obtaining juices from f	An improved process for obtaining	Thomas, Ronald L. (Clemson, SC	Clemson University (Clemson, SC	06/825083	1986-01-31	426/51	426/52, 426/489, 426/49

A1 | title

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1	title	document_type	publication_date	season	source_publication	keywords	volume	publisher	disciplines	department	abstract	application_number	comments	custom_citation	fulltext_url	create_openurl	embargo_date	assignees	filing_date	primary_class	other_class	author1_fname	author1_mname	autho
2	HARVESTER	patent	1972-05-30 00:00			patent number 3665					<p>A harvester for n	05/049259				FALSE	2014-07-08 00:00	Clemson University	1970-06-24	56/27.5		Clemson		Unive
3	TOBACCO HARVES	patent	1972-10-03 00:00			patent number 3695					<p>A tobacco harve	05/012024				FALSE	2014-07-08 00:00	Clemson University	1970-02-17	56/27.5		John	G.	Alphi
4	Method and apparat	patent	1976-06-29 00:00			patent number 3965					<p>A method and de	05/549675				FALSE	2014-07-08 00:00		1975-02-13	73/160	73/795, 73/828, 73/8	Hubert	B.	Matth
5	Tobacco harvester	patent	1977-08-02 00:00			patent number 4038					<p>A tobacco harve	05/622906				FALSE	2014-07-08 00:00	Clemson University	1975-10-16	56/27.5		Frank	C.	Patte
6	Absorption heating-c	patent	1979-05-08 00:00			patent number 4152					<p>An improved hea	05/839763				FALSE	2014-07-08 00:00	Clemson University	1977-10-06	62/476	62/495	Jarrett	C.	Heste
7	Crop uprooting and	patent	1979-07-03 00:00			patent number 4159					<p>An elongated ba	05/859227				FALSE	2014-07-08 00:00	Clemson University	1977-12-09	172/44	171/138, 172/48	Clarence	E.	Hood
8	Tree shaker	patent	1979-10-09 00:00			patent number 4170					<p>A device operabl	05/834325				FALSE	2014-07-08 00:00	Clemson University	1977-09-19	56/340.1		Clarence	E.	Hood
9	Crop uprooting and	patent	1979-10-23 00:00			patent number 4171					<p>Crop uprooting a	05/859226				FALSE	2014-07-08 00:00	Clemson University	1977-12-09	172/1	172/6, 172/38, 172/4	Clarence	E.	Hood
10	Orchard fruit handlin	patent	1980-04-29 00:00			patent number 4199					<p>Orchard fruit han	05/966618				FALSE	2014-07-08 00:00	Clemson University	1978-12-05	53/244	53/248, 53/391, 56/1	Clarence	E.	Hood
11	Underwater harvest	patent	1984-08-14 00:00			patent number 4464					<p>A mechanical har	06/389957				FALSE	2014-07-08 00:00	Clemson University	1982-06-18	37/309	37/315, 37/336	John	A.	Collie
12	Method of two-stage	patent	1984-12-18 00:00			patent number 4488					<p>A two step surgic	06/314798				FALSE	2014-07-08 00:00	Clemson University	1981-10-26	128/898		Andreas	F.	Von F
13	Method of orthopedi	patent	1985-01-08 00:00			patent number 4491					<p>An improved pro	06/078225					2014-07-08 00:00	Clemson University	1979-09-24	623/23.59		Joon	B.	Park
14	Seeding implement	patent	1985-02-05 00:00			patent number 4497					<p>A seeding implem	06/481789					2014-07-08 00:00	Clemson University	1983-04-04	111/177	221/274, 221/286	Clarence	E.	Hood
15	Bulb, root, and leafy	patent	1986-12-16 00:00			patent number 4629					<p>A harvester for b	06/619458					2014-07-08 00:00	Clemson University	1983-12-01	171/20	56/327.1, 171/25, 17	Clarence	E.	Hood
16	Hip prosthesis	patent	1987-02-10 00:00			patent number 4642					<p>An improved hip	06/619496					2014-07-08 00:00	Clemson University	1984-06-11	623/23.17		Francis	W.	Cooke
17	Spinneret orifices an	patent	1987-11-17 00:00			patent number 4707					<p>Spinneret having	06/890270					2014-07-08 00:00	Eastman Kodak Co	1986-07-29	428/397	57/243, 57/246, 57/2	Bobby	M.	Phillip
18	Method and apparat	patent	1987-12-29 00:00			patent number 4715					<p>An apparatus an	06/872219					2014-07-08 00:00	Clemson University	1986-06-09	414/730	318/568.21, 414/800	Joey	K.	Parke
19	Process for obtaining	patent	1987-12-29 00:00			patent number 4716					<p>An improved pro	06/825083					2014-07-08 00:00	Clemson University	1986-01-31	426/51	426/52, 426/489, 42	Ronald	L.	Thom
20	Apparatus and meth	patent	1988-09-13 00:00			patent number 4770					<p>An apparatus for	06/831146					2014-07-08 00:00	Clemson University	1986-02-19	74/665L	74/568R, 74/640	Alvon	C.	Elrod
21	Method for continuo	patent	1988-09-20 00:00			patent number 4771					<p>A method of atta	07/004334					2014-07-08 00:00	Clemson University	1987-01-15	123/90.17	123/90.15	Michael	T.	Nelso
22	Method and apparat	patent	1988-11-08 00:00			patent number 4783					<p>Proximity sensor	07/120755					2014-07-08 00:00	Clemson University	1987-11-12	294/213	294/907, 901/36, 90	Joey	K.	Parke
23	Nested ceramic fiber	patent	1989-01-17 00:00			patent number 4798					<p>Special C-shape	07/100298					2014-07-08 00:00	Clemson University	1987-09-23	428/373	264/DIG.19, 428/37	Charles	C.	Fain
24	Chill roll casting of m	patent	1989-02-28 00:00			patent number 4807					<p>A method for roll	06/940666					2014-07-08 00:00	Allied-Signal Inc. (M	1986-12-11	164/452	164/463	Venkatasubramania		Laxm
25	Piggy back method f	patent	1989-04-11 00:00			patent number 4820					<p>Special C-shaped	07/004617					2014-07-08 00:00	Clemson University	1987-01-20	501/95.1	264/DIG.19, 428/37	Charles	C.	Fain
26	Method and apparat	patent	1989-04-18 00:00			patent number 4823					<p>An electronic orc	07/066137					2014-07-08 00:00	Clemson University	1987-06-23	701/50	239/77	Durham	K.	Giles
27	Production of low ter	patent	1989-06-13 00:00			patent number 4838					<p>Apparatus is pro	07/169123					2014-07-08 00:00	Allied Signal Inc. (M	1988-03-09	164/463	164/423, 164/475	Richard	L.	Bye
28	Drafting process for	patent	1989-06-27 00:00			patent number 4842					<p>Preparation of a	07/157551					2014-07-08 00:00	Eastman Kodak Co	1988-02-16	264/130	8/115.69, 8/DIG.4, 2	Shriram		Bagrc
29	Method for promotin	patent	1989-07-11 00:00			patent number 4846					<p>A soft tissue imp	07/168884					2014-07-08 00:00	Clemson University	1988-03-16	128/898	427/2.24, 623/23.72	Francis	W.	Cooke
30	Heat treatment of ra	patent	1989-09-12 00:00			patent number 4865					<p>A rapidly quench	07/183342					2014-07-08 00:00		1988-04-12	148/113	148/122	Santosh	K.	Das
31	Soft tissue implants	patent	1989-10-03 00:00			patent number 4871					<p>A soft tissue imp	07/198612					2014-07-08 00:00	Clemson University	1988-05-23	623/23.74	427/2.24, 427/2.25,	Andreas	F.	Von F
32	Method for treating t	patent	1989-12-26 00:00			patent number 4889					<p>A method of trea	07/247907					2014-07-08 00:00	Clemson University	1988-09-22	428/319	426/640, 428/807, 5	Dee	L.	Cross
33	Hopper for dispensir	patent	1990-01-30 00:00			patent number 4896					<p>A hopper for dis	07/091289					2014-07-08 00:00	Clemson University	1987-08-26	111/177	111/925, 222/63, 22	Clarence	E.	Hood
34	Enrichment and con	patent	1990-01-30 00:00			patent number 4897					<p>Disclosed are ut	07/256813					2014-07-08 00:00	Abbott Laboratories	1988-10-12	530/387.1	210/650, 530/412, 5	Christopher	T.	Cordi
35	Method of reducing p	patent	1990-04-17 00:00			patent number 4917					<p>A method is prov	07/182999					2014-07-08 00:00	Clemson University	1988-04-18	123/90.17	74/567, 123/184.54,	Michael	T.	Nelso
36	Synergistic insecticic	patent	1990-06-12 00:00			patent number 4933					<p>Synergistic insec	07/280548					2014-07-08 00:00	Clemson University	1989-01-17	424/405	424/409, 514/95, 51	Patricia	K.	Bryso
37	Percutaneous device	patent	1990-08-07 00:00			patent number 4946					<p>A percutaneous	07/307685					2014-07-08 00:00	Clemson University	1989-02-07	604/175		Gunther		Heiml
38	Modified grooved po	patent	1990-09-04 00:00			patent number 4954					<p>Disclosed is a ne	07/299904					2014-07-08 00:00	Eastman Kodak Co	1989-01-23	428/400	428/364, 428/397	Shriram		Bagrc
39	Pharmaceutically pr	patent	1990-09-25 00:00			patent number 4959					<p>A percutaneous	07/276156					2014-07-08 00:00	Clemson University	1988-11-23	604/175		Gunther		Heiml
40	Harvesting machine	patent	1990-12-11 00:00			patent number 5092					<p>Disclosed is a ne	07/451751					2014-07-08 00:00	Clemson University	1989-12-21	56/330	56/328.1, 198/313	Robert	F.	Willia
47	5092422	US	1992-03-03	Multipurpose agricultural tractor	A multipurpose horticultural crop t	Hood Jr., Clarence E. (Clemson, S	Clemson University (Clemson, SC	07/844751	1989-12-12	188/329	56/328.1, 198/313	172/306, 172/307, 180/3												
48	5097012	US	1992-03-17	Solvent extraction of fatty acid stre	A process for producing increased	Thies, Mark C. (Clemson, SC); Mu	Clemson University (Clemson, SC	07/468582	1990-01-23	530/206	530/207, 530/208, 530/2													
49	5124205	US	1992-06-23	Ink reservoir containing modified p	Disclosed is a novel ink reservoir c	Raynolds, Peter W. (Kingsport, TN	Eastman Kodak Company (Roche	07/603088	1990-10-25	428/364	401/196, 401/198, 401/1													
50	5126200	US	1992-06-30	Laser assisted fiber growth	Small diameter fibers formed from	Nordine, Paul C. (Kansas City, MO	E. I. Du Pont de Nemours and Co	07/515665	1990-04-25	428/366	428/364													
51	5130237	US	1992-07-14	Substrate conversion with an enzy	A process is disclosed for chemica	Thomas, Ronald L. (Clemson, SC	Clemson University (Clemson, SC	07/367727	1989-06-19	435/96	426/50, 426/52, 435/41,													
52	5136887	US	1992-08-11	Variable valve actuating apparatus	An actuating apparatus, which car	Elrod, Alvon C. (Clemson, SC); Ne	Clemson University (Clemson, SC	07/530546	1990-05-29	74/569	74/567, 74/568R, 123/9													
53	5149517	US	1992-09-22	High strength, melt spun carbon fi	Hollow carbon fibers and carbon f	Fain, Charles C. (Clemson, SC); E	Clemson University (Clemson, SC	06/820734	1986-01-21	423/447.2	264/29.2, 423/447.1, 42													
54	5154908	US	1992-10-13	Carbon fibers and method for proc	Carbon fibers having a multi-lobal	Edie, Danny D. (Clemson, SC)	Clemson University (Clemson, SC	06/775131	1985-09-12	423/447.1	264/29.2, 423/447.2, 42													
55	5156831	US	1992-10-20	Method for producing high strengt	Hollow carbon fibers and carbon f	Fain, Charles C. (Clemson, SC); E	Clemson University (Clemson, SC	07/034226	1987-04-02	423/447.1	264/29.2, 423/447.4, 42													
56	5161429	US	1992-11-10	Variable valve actuating apparatus	An actuating apparatus, which car	Elrod, Alvon C. (Clemson, SC); Ne	Clemson University (Clemson, SC	07/827618	1992-01-29	74/569	74/567, 123/90.17, 123/													
57	5170614	US	1992-12-15	Harvesting machinery	A harvester adapted for harvesting	Williamson, Robert E. (Clemson, S	Clemson University (Clemson, SC	07/560105	1990-07-31	56/330	56/328.1, 56/340.1, 198/													

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Fluorescent carbon nanoparticles

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Patent Number
patent number 7829772

Abstract
Disclosed are photoluminescent particles. The particles include a core nano-sized particle of carbon and a passivation agent bound to the surface of the nanoparticle. The passivation agent can be, for instance, a polymeric material. The passivation agent can also be derivatized for particular applications. For example, the photoluminescent carbon nanoparticles can be derivatized to recognize and bind to a target material, for instance a biologically active material, a pollutant, or a surface receptor on a tissue or cell surface, such as in a tagging or staining protocol.

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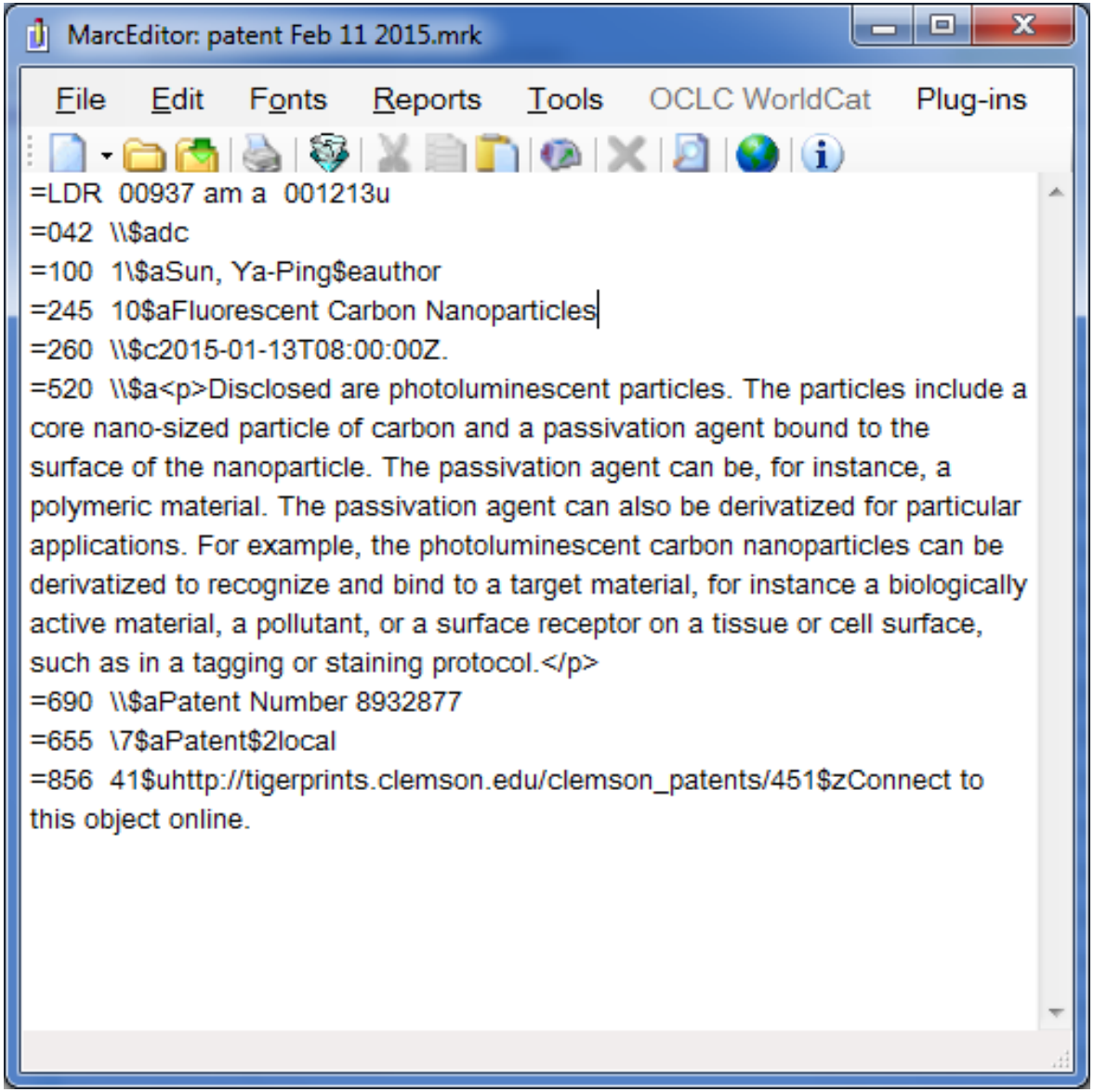

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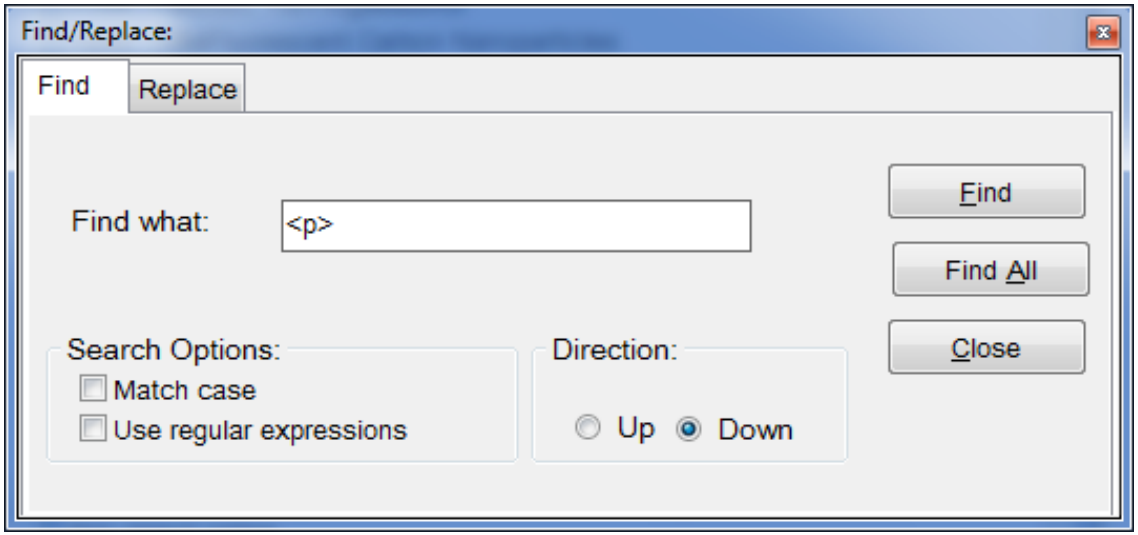

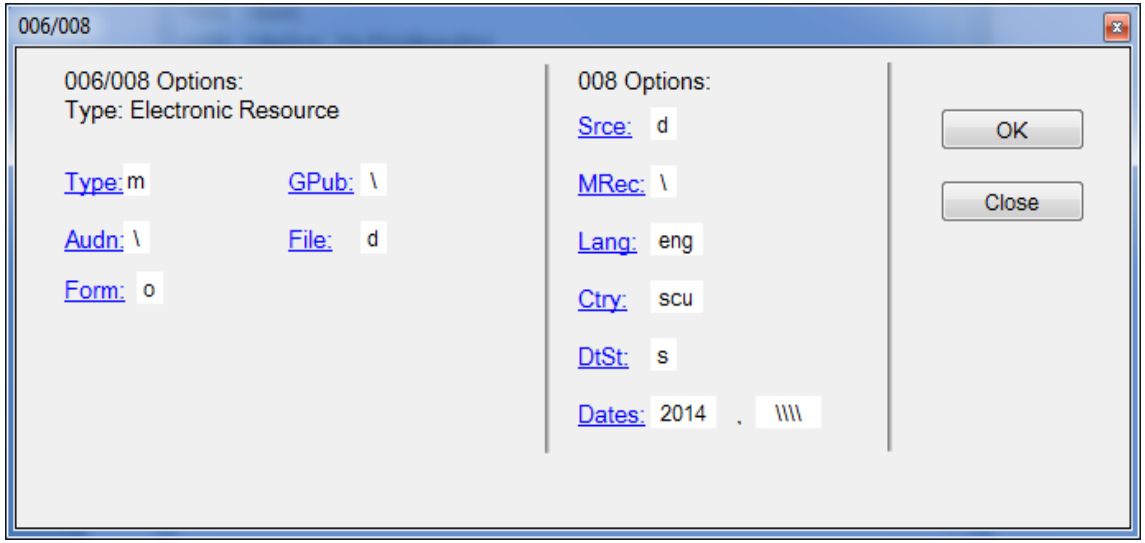

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Standard No.	024	8		Patent Number 8932877
Misc.	042			dc
Author	100	1		Sun, Ya-Ping|eauthor
Title	245	1	0	Fluorescent Carbon Nanoparticles
Publication Info.	260			|c2015-01-13
Note	520			Disclosed are photoluminescent particles. The particles include a core nano-sized particle of carbon and a passivation agent bound to the surface of the nanoparticle. The passivation agent can be, for instance, a polymeric material. The passivation agent can also be derivatized for particular applications. For example, the photoluminescent carbon nanoparticles can be derivatized to recognize and bind to a target material, for instance a biologically active material, a pollutant, or a surface receptor on a tissue or cell surface, such as in a tagging or staining protocol.
Subject	655		7	Patent|2local
Added Author	710	2		Clemson University.
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Author	Sun, Ya-Ping author
Title	**Fluorescent Carbon Nanoparticles**
Publication info.	2015-01-13

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Summary	Disclosed are photoluminescent particles. The particles include a core nano-sized particle of carbon and a passivation agent bound to the surface of the nanoparticle. The passivation agent can be, for instance, a polymeric material. The passivation agent can also be derivatized for particular applications. For example, the photoluminescent carbon nanoparticles can be derivatized to recognize and bind to a target material, for instance a biologically active material, a pollutant, or a surface receptor on a tissue or cell surface, such as in a tagging or staining protocol.
Genre	Patent
Added author	Clemson University.
Standard no.	Patent Number 8932877

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