

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4675287

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES C BOHLING	09/03/2014
EDWIN NUNGESSER	08/28/2014
TAO WANG	08/22/2014
JUNYU CHEN	08/22/2014
ZHEN QINN	08/20/2014
DOW CHEMICAL (CHINA)INVESTMENT COMPANY LIMITED	09/05/2014
THE DOW CHEMICAL COMPANY	09/10/2014
RECEIVING PARTY DATA	
Name:	ROHM AND HAAS COMPANY
Street Address:	100 INDEPENDENCE MALL WEST
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19106
Name:	DOW GLOBAL TECHNOLOGIES LLC
Street Address:	2040 DOW CENTER
City:	MIDLAND
State/Country:	MICHIGAN
Postal Code:	48674
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15329736
CORRESPONDENCE DATA	
Fax Number:	(989)636-3237
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	989-636-8434
Email:	PJKACZMARCZYK@DOW.COM
Correspondent Name:	ROHM AND HAAS COMPANY
Address Line 1:	C/O DOW GLOBAL TECHNOLOGIES LLC
Address Line 2:	2040 DOW CENTER

PATENT

Address Line 4: MIDLAND, MICHIGAN 48674	
ATTORNEY DOCKET NUMBER:	75190-US-PCT
NAME OF SUBMITTER:	PATRICIA KACZMARCZYK
SIGNATURE:	/Patricia Kaczmarczyk/
DATE SIGNED:	11/06/2017
Total Attachments: 11 source=75190 Executed Assignment#page1.tif source=75190 Executed Assignment#page2.tif source=75190 Executed Assignment#page3.tif source=75190 Executed Assignment#page4.tif source=75190 Executed Assignment#page5.tif source=75190 Executed Assignment#page6.tif source=75190 Executed Assignment#page7.tif source=75190 Executed Assignment#page8.tif source=75190 Executed Assignment#page9.tif source=75190 Executed Assignment#page10.tif source=75190 Executed Assignment#page11.tif	

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME CONCENTRATION COATINGS COMPOSITION

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Rohm and Haas Company
 100 Independence Mall West
 Philadelphia, Pennsylvania 19106
 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominees); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
PCT/CN2014/083285	July 30, 2014	PCT

of the application, on which the claim for priority will be based, and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

We authorize Assignee or its designee to translate this Assignment into all languages necessary, and we request that any such Letters Patent be issued to Assignee, and consent to the recording of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us

At: Gettysburg, PA
 this 30 day of September, 2014
 Effective as of July 30, 2014
 Signature: [Signature]
 Full Name: James C. Bohling
 Residence: 1904 Stirling Drive
 Lansdale, Pennsylvania 19446
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Company
 Of Country: United States of America

At: _____
 this _____ day of _____, 20____
 Effective as of July 30, 2014
 Signature: _____
 Full Name: Edwin Nungesser
 Residence: 12 Brownstone Drive
 Horsham, Pennsylvania 19044
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Company
 Of Country: United States of America

As: _____
this _____ day of _____, 20 _____
Effective as of July 30, 2014

Signature: _____
Full Name: Tan Wang
Residence: Room 102-302, No. 3151
Yindu Road
Shanghai 201108
PEOPLE'S REPUBLIC OF CHINA
Country: People's Republic of China
Citizenship: People's Republic of China
P.O. Address: Same as Residence
Employed By: Bohm and Haas (China) Holding Co. Ltd.
Of Country: People's Republic of China

At: _____
this _____ day of _____, 20 _____
Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

This Assignment 110 is in the FIRST/111 language and for the same purpose as other language with the same 110 number and 112 text.

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FORM 110 (R 3/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: **VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME CONCENTRATION COATINGS COMPOSITION**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto

Rohm and Haas Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106
United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"), my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country:

Priority Number	Filing Date	Filing Country
PCT/CN2014/083283	July 30, 2014	PCT

of the application, on which the claim for priority will be based, and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary, and we request that any such Letters Patent be issued to Assignee, and consent to the recording of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: James C. Bohling
Residence: 1904 Stirling Drive
Lansdale, Pennsylvania 19446
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: Edwin Nungesser
Residence: 12 Brownstone Drive
Horsham, Pennsylvania 19044
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: Tao Wang
Residence: Room 103-302, No. 3151
Yindu Road
Shanghai 201108
PEOPLE'S REPUBLIC OF CHINA
Country: People's Republic of China
Citizenship: People's Republic of China
P.O. Address: Same as Residence
Employed By: Rohm and Haas (China) Holding Co. Ltd
Of Country: People's Republic of China

At _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R Date.

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FORM 110 (R 5/97)

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(with Priority Rights)

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which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Rohm and Haas Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106
United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
PCT/CN2014/083285	July 30, 2014	PCT

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: James C. Bohling
Residence: 1904 Stirling Drive
Lansdale, Pennsylvania 19446
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: Edwin Nungesser
Residence: 12 Brownstone Drive
Horsham, Pennsylvania 19044
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: Shanghai, China
this 22 day of Aug, 2014
Effective as of July 30, 2014

Signature: Tao Wang
Full Name: Tao Wang
Residence: Room 102-302, No. 3151
Yindu Road
Shanghai 201108
PEOPLE'S REPUBLIC OF CHINA
Country: People's Republic of China
Citizenship: People's Republic of China
P.O. Address: Same as Residence
Employed By: Rohm and Haas (China) Holding Co. Ltd.
Of Country: People's Republic of China

At: _____
this _____ day of _____, 20____
Effective as of July 30, 2014

Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

FORM 110 (8-5-97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME CONCENTRATION COATINGS COMPOSITION

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Chemical (China) Investment Company Limited
Unit 03, C Zone, 2F, 3rd Building, No. 936 Zhongheng Road
Zhangjiang Hi-Tech Park
Shanghai 201203
PEOPLE'S REPUBLIC OF CHINA

an entity organized and existing under the laws of China (hereinafter referred to as the "Assignee"), my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
PCT/CN2014/082285	July 30, 2014	PCT

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I/we authorize Assignee or its designee to translate this Assignment into all languages necessary, and we request that any such Letters Patent be issued to Assignee; and consent to the recording of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Shanghai
this 2nd day of August, 2010
Effective as of July 30, 2014

Signature: Jingyu Chen
Full Name: Junyi Chen
Residence: Room 1-309, Lane 150, Jiahe Road
Shanghai 200433
PEOPLE'S REPUBLIC OF CHINA
Country: People's Republic of China
Citizenship: People's Republic of China
P.O. Address: Same as Residence
Employed By: Dow Chemical (China) Investment Co. Ltd.
Of Country: People's Republic of China

AC: Shanghai, China
this 20th day of August, 20 14
Effective as of July 30, 2014

Signature: Zhen Qian
Full Name: Zhen Qian
Residence: 96 Jinzhai Road
Anhui 230026
PEOPLE'S REPUBLIC OF CHINA
Country: People's Republic of China
Citizenship: People's Republic of China
P.O. Address: Same as Residence
Employed By: Dow Chemical (China) Investment Co. Ltd.
Of Country: People's Republic of China

At: _____
this _____ day of _____, 20____
Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____, 20____

Signature: _____
Full Name: _____
Residence: _____
Country: _____
Citizenship: _____
P.O. Address: _____
Employed By: _____
Of Country: _____

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW CHEMICAL (CHINA) INVESTMENT COMPANY LIMITED**
 Unit 03, C Zone, 2F, 3rd Building, No. 936 Zhangheng Road
 Zhangjiang Hi-Tech Park
 Shanghai 201203
 People's Republic of China

hereby accept the ASSIGNMENT which is dated: August 20, 2014 and August 22, 2014,
 respectively

From, the ASSIGNOR: Junyu Chen, Room 1-309, Lane 150, Jinhe Road, Shanghai 200433,
 People's Republic of China, Citizen of People's Republic of China and Zhen Qian, 96 Jinzhai Road,
 Anhui 230026, People's Republic of China, Citizen of People's Republic of China

of the invention entitled:

VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME
 CONCENTRATION COATINGS COMPOSITION

without any restrictions and with all rights and obligations deriving therefrom and declare that this
 confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Shanghai, China
 this 5th day of September, 20 14

DOW CHEMICAL (CHINA) INVESTMENT COMPANY LIMITED

CORP.
 SEAL

By: [Signature]
DANIEL X. YAN
 Authorized Representative

SUBSCRIBING WITNESS
AFFIDAVIT OF EXECUTION

(CORPORATE OFFICER)

I, **Rita Dai**

Whose full post office address is:

No. 936 Zhangheng Road, Zhangjiang Hi-Tech Park, Shanghai, P. R. C. 201203

Make Oath and say that I was personally present and did see:

DANIEL X. YAN

OF DOW CHEMICAL (CHINA) INVESTMENT COMPANY LIMITED

known or identified to me to be the individual(s) described and who executed the foregoing document
 and that said individual has full authority to sign the document on behalf of the said corporation and
 that the purposes for which said document is granted are within the scope of the objectives or activities
 of said corporation and acknowledge the same as a free act and deed for uses and purposes therein
 expressed.

Signed at: Shanghai, China

On this 5th day of September, 20 14

[Signature]
 Subscribing Witness

PATENT

REEL: 044039 FRAME: 0936

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423
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The Assignment: 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

FORM 450

We, ASSIGNOR, of: **DOW CHEMICAL (CHINA) INVESTMENT COMPANY LIMITED**
Unit 83, C Zone, 2F, 3rd Building, No. 936 Zhangheng Road
Zhangjiang Hi-Tech Park
Shanghai 201203
People's Republic of China

Jiayu Chen, Room 1-309, Lane 150, Jinke Road, Shanghai 200433, People's Republic of China, Citizen of People's Republic of China and Zhen Qian, 96 Jintai Road, Anhui 230026, People's Republic of China, Citizen of People's Republic of China by an Assignment dated: August 20, 2014 and August 22, 2014, respectively of an invention relating to and entitled:

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE: **THE DOW CHEMICAL COMPANY**
2030 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
PCT/CN2014/083285	July 30, 2014	PCT

of the application on which the priority will be based, and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country
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of the corresponding application in any country where that patent property must be entered for recordal of this Assignment, and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that we have full power to make the same, but also that such assumed rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Sworn by us at Shanghai, China
this 5th day of September, 20 14

CORP.
SEAL

DOW CHEMICAL (CHINA) INVESTMENT COMPANY LIMITED

By DANIEL X. YAN
Authorized Representative

REEL: 044039 FRAME: 0937

[illegible]

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **THE DOW CHEMICAL COMPANY**
2030 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT which is dated: **September 5, 2014**

From, the ASSIGNOR:

DOW CHEMICAL (CHINA) INVESTMENT COMPANY LIMITED
Unit 03, C Zone, 2F, 3rd Building, No. 936 Zhangheng Road
Zhangjiang Hi-Tech Park
Shanghai 201203
People's Republic of China

of the invention entitled:

**VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME
 CONCENTRATION COATINGS COMPOSITION**

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA

this 10 day of September, 20 14

CORP.
SEAL

THE DOW CHEMICAL COMPANY

By: D.P.F.

DARRYL P. FRICKEY
 Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
 STATE OF MICHIGAN) SS
 County/Parish of Midland)

On this 10 day of September, 20 14, personally appeared
 before me, **DARRYL P. FRICKEY**, Authorized Representative,
 known or identified to me to be the individual described in and who executed the foregoing document
 and acknowledged the same as a free act and deed for uses and purposes therein expressed by
 authority of the said entity organized and existing under the laws of the State of Delaware, United
 States of America.

I further certify that said authority, dated July 12, 2013, is based on

a **Certified Resolution**

which I have seen, appointing the said individual Authorized Representative with full power to sign
 the foregoing document on behalf of the said entity and that the purposes for which said document is
 granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wertz

Kathy Sue Wertz
 Kathy Sue Wertz
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2018

PATENT**REEL: 044039 FRAME: 0939**

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number

FORM 440

ASSIGNMENT

(with Priority Rights)
and
INVENTORSHIP DECLARATION

We, ASSIGNOR, of: **THE DOW CHEMICAL COMPANY**
2030 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Junyu Chen, Room 1-309, Lane 150, Jinhe Road, Shanghai 200435, People's Republic of China, Citizen of People's Republic of China and Zhen Qian, 96 Jinchai Road, Anhui 230026, People's Republic of China, Citizen of People's Republic of China by an Assignment dated: August 20, 2014 and August 22, 2014, respectively of an invention relating to and entitled:

VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME CONCENTRATION COATINGS COMPOSITION

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE, **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
PCT/CN2014/082385	July 30, 2014	PCT

of the application on which the priority will be based, and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee, and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment, and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Sworn by us at Midland, Michigan 48674, USA

this 10 day of September 20 14

CORP
SEAL

THE DOW CHEMICAL COMPANY

By [Signature]
BARRY P. FRICKEY
 Authorized Representative

Attach Notarial Certificate

This Notarial Certificate S30 is in the ENGLISH language and has the same meaning in other languages with the same S30 number.

This Assignee Acceptance form is in the ENGLISH language and has the same meaning in other languages with the same form number.

This Assignee Acceptance form is in the ENGLISH language and has the same meaning in other languages with the same form number.

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2840 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT which is dated: September 10, 2014

From, the ASSIGNOR:
THE DOW CHEMICAL COMPANY
2830 Dow Center
Midland, Michigan 48674
United States of America

of the invention entitled:

**VINYL ACETATE BINDERS IN AN ABOVE-CRITICAL PIGMENT VOLUME
 CONCENTRATION COATINGS COMPOSITION**

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA

this 10 day of September, 20 14

CORP.
SEAL

DOW GLOBAL TECHNOLOGIES LLC

By: Susan M Zerull
SUSAN M. ZERULL
 Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
 STATE OF MICHIGAN) SS
 County/Parish of Midland)

On this 10 day of September, 20 14, personally appeared before me, **SUSAN M. ZERULL, Authorized Representative**, known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said entity organized and existing under the laws of the State of Delaware, United States of America.

I further certify that said authority, dated June 1, 2014, is based on

A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wertz

Kathy Sue Wertz
Kathy Sue Wertz
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2018