

07-25-2006

Form PTO-1595 (Rev. 03/05)  
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

MRD 1/19/06		103277581	2155-270
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
<b>1. Name of conveying party(ies)</b>  Deutsche Bank AG New York Branch, as agent		<b>2. Name and address of receiving party(ies)</b> Name: Vantico Inc. and Vantico A&T U S Inc. (now known as Huntsman Advanced Materials Americas Inc.) Internal Address: _____	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Street Address: 4917 Dawn Ave.	
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s) December 20, 2005 <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input checked="" type="checkbox"/> Other Termination of Security Interest		City: East Lansing State: MI Country: USA Zip: 48823	
Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>4. Application or patent number(s):</b> A. Patent Application No(s)  Attached Schedule  Additional numbers attached? <input checked="" type="checkbox"/> Yes		<input type="checkbox"/> This document is being filed together with a new application. B. Patent No(s)	
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: Laura Konrath Internal Address: _____ Street Address: 35 W. Wacker Dr. City: Chicago State: IL Zip: 60601 Phone Number: 312-558-6352 Fax Number: 312-558-5700 Email Address: lkonrath@winston.com		<b>6. Total number of applications and patents involved:</b> 382 <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ 15,280 <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
<b>9. Signature:</b>  Signature Laura Konrath Name of Person Signing		<b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number 232428 Authorized User Name Laura Konrath Date 1/19/06 (ORIGINALLY SUBMITTED) Total number of pages including cover sheet, attachments, and documents: _____	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-6996, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1480, Alexandria, V.A. 22313-1480

07/11/2006 DBYRNE 00000096 232428 08268094

01 FC:8021 15280.00 DA

Continuation  
Item 4

All patents are encumbered with security interests.

U.S. PATENT APPLICATIONS

Application	Filed	Title
08/268,094	06/28/94	Epoxy acrylates
08/589,435	01/22/96	Curable epoxy resin formulation
08/876,550	06/16/97	Preparation of mouldings by the automatic pressure gelation technique using a one component composition
09/002,847	01/05/98	Curable epoxy resin composition comprising fillers
09/787,220	03/16/01	Method for producing etched circuits
09/787,221	03/16/01	Method for producing multi-layer circuits
09/856,116	05/17/01	Crosslinking agent for carboxyl-containing polymers in heat-curable systems
09/857,684	06/07/01	Hydrophobic epoxide resin system
09/868,817	06/21/01	Production of photoresist coatings
09/890,213	07/26/01	Melamine-modified phyllosilicates
09/932,731	08/17/01	Epoxy acrylates
09/936,706	09/14/01	Hardenable composition with a particular combination of characteristics
09/937,001	09/19/01	Matting agents for thermally curable systems
10/019,910	11/09/01	Photosensitive composition
10/031,108	01/10/02	Nanocomposites
10/031,134	01/14/02	Filler mixtures
10/031,135	03/29/02	Curable composition
10/031,983	01/25/02	Amine hardener for epoxy resins
10/208,460	07/30/02	Powder coating carboxyl polyester or (poly) methacrylate and cycloaliphatic polyepoxide
10/416,978	05/15/03	Positive type photosensitive epoxy resin composition and printed-circuit board using the same
10/433,137	05/29/03	Filled epoxy resin system having high mechanical strength values

21

Cont. 4

## U.S. PATENTS ISSUED

Patent	Granted	Application	Filed	Title
RE32,745	09/06/88	07/021,151	03/03/87	Polymeric resins derived from 1-oxa-3-aza tetraline group-containing compounds and cycloaliphatic epoxides
4,474,929	10/02/84	06/538,033	09/30/83	Polyglycidyl ethers of branched novolacs
4,528,359	07/09/85	06/610,896	05/16/84	Adducts of epoxy resins and amino-substituted aromatic sulfonic acid amides
4,540,769	09/10/85	06/654,342	09/25/84	Preparation of n-glycidyl compounds
4,541,894	09/17/85	06/614,760	05/29/84	Metallizable essentially isotropic polymeric substrates well adopted for printed circuits
4,544,623	10/01/85	06/573,098	01/23/84	Photosensitive coating composition and the use thereof for protective purposes
4,594,291	06/10/86	06/716,279	03/25/85	Curable, partially advanced epoxy resins
4,604,317	08/05/86	06/737,591	05/24/85	Curable compositions containing a polyepoxide and a halogenated bisphenol
4,604,452	08/15/86	06/789,678	10/21/85	Metal carboxylate/alkylphenol curing catalyst for polycyanate esters of polyhydric phenols
4,607,091	08/19/86	06/774,433	09/10/85	Polymeric resins derived from 1-oxa-3-aza tetraline group-containing compounds and cycloaliphatic epoxides
4,608,300	08/26/86	06/619,751	06/11/84	Fibre composite materials impregnated with a curable epoxide resin matrix
4,608,434	08/26/86	06/789,679	10/21/85	Metal carboxylate/alcohol curing catalyst for polycyanate ester of polyhydric phenol
4,614,674	09/30/86	06/730,121	05/03/85	Powder coating compositions for the preparation of matt coatings
4,621,159	11/04/86	06/773,685	09/09/85	Brominated hydroxy aromatic compounds
4,624,912	11/25/86	06/698,952	02/06/85	Thermally transferable layers of radiation sensitive epoxy resins used to prepare protective coatings and relief images
4,632,900	12/30/86	06/708,998	03/07/85	Process for the production of images after electrodeposition of positive photoresist on electrically conductive surface
4,654,447	03/31/87	06/831,400	02/20/86	Process for the preparation of tribromotetramethylbiphenol and related compounds
4,656,292	04/07/87	06/745,748	06/17/85	2,3-dimethylmaleimido-alkyl haloacetates
4,661,578	04/28/87	06/801,360	11/25/85	High temperature epoxy resin composition with reduced viscosity
4,661,644	04/28/87	06/812,476	12/23/85	Brominated Epoxy Aromatic compounds
4,666,954	05/19/87	06/642,909	08/21/84	Process for the preparation of prepregs, and the reinforced composite materials which can be obtained therewith
4,666,997	05/16/87	06/773,724	09/09/85	Heat-curable mixture containing substitute bicyclo(2.2.1)Hept-5-ene-2,3-dicarboximide and polymaleimide, and the use thereof
4,668,718	05/26/87	06/780,160	09/26/85	Self-extinguishing, track-resistant epoxy resin moulding composition and use thereof
4,668,807	05/26/87	06/807,566	12/11/85	Process for reducing the content of hydrolyzable chlorine in glycidyl compounds
4,672,103	06/09/87	06/829,361	02/14/86	Non-sintering epoxy resins prepared from triglycidyl ethers and epihalohydrins
4,681,923	07/21/87	06/831,685	02/21/86	Modified quinone-diazine group-containing phenolic novolak resins
4,684,700	08/04/87	06/829,364	02/14/86	Advanced epoxy resins prepared from triglycidyl ethers and dihydric phenols

48

(Cont. 4)

Patent	Granted	Application	Filed	Title
4,684,752	08/04/87	06/858,473	04/30/86	Di-ortho-substituted di-meta-halogenated para-halomethylphenols
4,689,378	08/25/87	06/809,444	12/16/85	Stable imide-containing composition from diamino phenyl indane-bis-maleimide and alkenyl phenol
4,709,008	11/24/87	06/880,529	06/30/86	Blend of tris (cyanatophenyl) alkane and bis(cyanatophenyl) alkane
4,722,983	02/02/88	06/939,213	12/08/86	Process for the preparation of glycidyl compounds
4,731,423	03/15/88	06/896,480	08/13/86	Meta-halo-phenolic alkylation products and epoxy systems
4,737,553	04/12/88	06/912,722	09/29/86	Advanced resins from diglycidyl ethers of de-secondary alcohols and dihydric phenols
4,740,584	04/26/88	06/904,610	09/08/86	Blend of dicyanate esters of dihydric phenols
4,742,141	05/03/88	06/929,837	11/13/86	Imido polymer from bis imide and alkenyloxylaniline
4,749,767	06/07/88	07/059,366	06/08/87	Stable imide-containing composition from diaminophenylindane-bis-imide, amine and alkenyl phenol or ether (Chaudhari)
4,756,756	07/12/88	06/705,726	02/26/85	Forming of thick-layer, hybrid electronic-printed circuits (Cassat)
4,785,075	11/15/88	07/078,037	07/27/87	Metal acetylacetonate/alkylphenol curing catalyst of polycyanate esters of polyhydric phenols (Shimp)
4,799,996	01/24/89	07/078,166	07/27/87	Metallizable substrate composites and printed circuits produced therefrom (Cassat)
4,800,215	01/24/89	07/170,217	03/15/88	Compositions prepared from dialkanolamines and triglycidyl ethers of trisphenols (Bertram; Myles; Kubisiak)
4,826,927	05/02/89	07/000,255	01/02/87	Mixtures containing polyimides alkenylphenols and either epoxide group-free adducts or another polyimide (Schmid)
4,829,138	05/09/89	07/159,907	02/24/88	Novel heat-stable siloxane/bismaleimido polymers (Barthelemy)
4,839,440	06/13/89	07/134,043	12/17/87	N,N'-bis(maleimide)salkenyloxylaniline copolymerizates (Barthelemy)
4,839,442	06/13/89	07/210,175	06/20/88	Low viscosity noncrystalline dicyanate ester blends with prepolymers of dicyanate esters (Craig)
4,845,172	07/04/89	07/186,753	04/26/88	Co-advanced resins from copolymers of polyethers of polyhydric phenols and diglycidyl ethers of di-secondary alcohols (Brytus)
4,847,233	04/11/89	07/228,469	08/05/88	Metal acetylacetonate/alkylphenol curing catalyst for polycyanate esters of polyhydric phenols (Shimp)
4,847,343	07/11/89	07/166,501	03/10/88	Heat-resistant maleimido copolymers
4,847,344	07/11/89	07/166,482	03/10/88	Novel heat-resistant maleimido copolymers
4,848,533	07/18/89	07/243,181	09/14/88	Apparatus for conveying panels (Martin)
4,849,320	07/18/89	07/045,022	04/30/87	Method of forming images (Irving)
4,849,490	07/18/89	07/159,911	02/24/88	Novel bis(maleimide)/polysiloxanes
4,857,607	08/15/89	07/195,312	05/18/88	Epoxidized polycycloacetals (Cotting)
4,861,438	08/29/89	07/297,372	01/17/89	Method of making patterns (Banks)
4,885,354	12/05/89	07/258,542	10/17/88	Epoxy resin compositions (Holer)
4,892,925	01/09/90	07/300,460	01/23/89	Process for preparing phenolic hydroxyl-containing compounds from 2,6-Dibromo-3,5-dialkyl-4-hydroxybenzyl ethers
4,895,755	01/23/90	07/259,449	10/14/88	Halogenated Advanced Epoxy resins

77

Cont 4

Patent	Granted	Application	Filed	Title
4,914,185	04/03/90	06/851,996	04/14/86	Adducts of metabrominated phenols and polyfunctional epoxides (Wang et al.)
4,923,520	05/08/90	07/251,995	09/30/88	Spherical fused silica and its use in fillers and resin compositions (Anzai & Hamabe)
4,926,789	05/22/90	07/252,302	10/03/88	Transport apparatus for boards (Wenger)
4,931,545	06/05/90	07/347,251	05/03/89	Flame retardant polycyanate ester blend (Shimp)
4,940,848	07/10/90	07/269,862	11/10/88	Stable solutions / prepolymers of thiodiphenylcyanate and laminating method employing same (Shimp)
4,950,728	08/21/90	202,544	06/06/88	Thermally stable (imide/amide)(urea/siloxane) block copolymers
4,957,946	09/18/90	07/202,739	06/03/88	Cationically polymerizable mixtures containing metallocene complex salt of certain carboxylic or sulfonic acids (Meier)
4,962,178	10/09/90	07/266,555	11/03/88	Novel polysiloxane - polyurethanes and contact lens thereof
4,963,300	10/16/90	07/279,747	12/05/88	Process for the preparation of laminates
4,973,648	11/27/90	07/411,949	09/25/89	Epoxy resin compositions (Hofer)
4,973,649	11/27/90	07/319,306	03/03/89	Hindered diamine/imido prepolymers
4,975,500	12/04/90	07/440,149	11/22/89	Adducts of metabrominated phenols and polyfunctional epoxides
4,978,604	12/18/90	07/108,524	06/20/88	Process for forming images (Banks)
4,978,809	12/18/90	07/434,150	11/13/89	Meta-halogenated dibenzylphenols
4,992,488	02/12/91	07/403,845	09/01/89	Glass fibre-reinforced epoxide resin moulding composition and its use (Ruf)
4,992,572	02/12/91	07/258,544	10/17/88	Process for the preparation of organometallic compounds (Desobry)
4,994,346	02/19/91	07/221,846	07/20/88	Negative photoresist based on polyphenols and selected epoxy or vinyl ether compounds (Meier)
4,996,285	02/26/91	07/420,723	10/11/89	Imide/epoxy thermosetting compositions (Arpin)
5,002,858	03/26/91	07/434,599	11/07/89	Process for the formation of an image (Demmer)
5,006,626	04/09/91	07/411,951	09/25/89	Epoxy resin compositions (Hofer)
5,013,804	05/07/91	07/505,097	04/03/90	Curable mixtures containing a bismaleimide and a propenyl compound (Kramer)
5,013,814	05/07/91	07/462,252	01/09/90	Araliphatic sulfonium salts and their use (Roth)
5,019,639	05/28/91	07/503,399	04/02/90	Novel epoxy resins (Hofer)
5,021,484	06/04/91	07/376,875	07/07/89	Fire retardant curable 1-oxa-3-aza tetraline (also termed "3,4-dihydro-1,3-benzoxazine") derived resin composition (Schreiber)
5,028,666	07/02/91	07/549,177	07/06/90	Adducts of metabrominated phenols and polyfunctional epoxides
5,030,730	07/09/91	07/483,149	02/21/90	Curable mixtures (Munk)
5,034,503	07/23/91	07/598,126	10/16/90	Novel imido copolymers (Camberlin)
5,037,923	08/06/91	07/544,061	06/26/90	Novel imido Polymers (R. Arpin)
5,053,474	10/01/91	07/426,850	10/26/89	Imido polymers (Camberlin)
5,068,309	11/26/91	07/501,231	03/29/90	Low temperature curable dicyanate ester of dihydric phenol composition (Shimp)
5,073,233	12/17/91	07/532,533	06/04/90	Method of making a metallic pattern on a substrate (Banks)
5,073,478	12/17/91	07/439,724	11/20/89	Method of making a pattern (Banks)

109

(cont 4)

Patent	Granted	Application	Filed	Title
5,079,129	01/07/92	07/445,134	11/30/89	Negative photoresist based on polyphenols and epoxy compounds or vinyl ethers (Roth)
5,080,998	01/14/92	07/629,099	12/17/90	Process for the formation of positive images utilizing electrodeposition of o-quinone diazide compound containing photoresist on conductive surface (Irving)
5,082,952	01/21/92	06/867,113	05/27/86	Process for the preparation of metallocene complexes (Meier)
5,086,154	02/04/92	07/550,047	07/09/90	Linear aromatic poly(amideimide)s having latent maleimide end groups (Camberlin)
5,087,688	02/11/92	07/541,237	06/20/90	Fibrous composite structure impregnated with a solvent-free curable epoxy resin matrix (Gruber)
5,098,527	03/24/92	07/408,860	09/18/89	Method of making electrically conductive patterns (Banks)
5,098,963	03/24/92	07/652,845	02/08/91	Adducts of metabrominated phenols and polyfunctional epoxides (Wang, Mendoza)
5,112,440	05/12/92	07/601,162	10/22/90	Method for making metallic patterns (Banks)
5,113,701	05/19/92	07/647,322	01/29/91	Transport device for boards having a sensitive surface especially for wet-coated circuit boards (Martin)
5,113,785	05/19/92	07/590,902	10/01/90	Transport device for boards, especially those having a sensitive surface (Martin)
5,115,005	05/19/92	07/756,405	09/09/91	Phosphinic acid flame retardant (Horner)
5,117,010	05/26/92	07/745,569	08/15/91	Process for the preparation of addition products of epoxides and alcohols (Cheng)
5,122,589	06/16/92	07/506,743	04/10/90	Imido/siloxane bismaleimide/aromatic diamine prepolymers (Camberlin)
5,122,590	06/16/92	07/506,744	04/10/90	Imido/hindered diamine copolymers (Camberlin)
5,124,233	06/23/92	07/202,765	06/03/88	Photoresist composition
5,124,419	06/23/92	07/696,706	05/07/91	Imido polymers (R. Arpin)
5,128,491	07/07/92	07/738,072	07/30/91	Process for the Preparation of Glycidyl Ethers of Di-secondary Alcohols with High Monomer Content
5,130,406	07/14/92	07/496,557	03/19/90	Initiators for Materials which can be polymerized Cationically
5,130,452	07/14/92	07/695,856	05/06/91	Phosphorus compounds and their use a flame retardant for polymers
5,132,346	07/21/92	07/741,389	08/07/91	Flame retardant compositions of halogen-free polymers containing cyclic phosphate or thiophosphate flame retardants
5,136,110	08/04/92	07/626,597	12/12/90	Process for the preparation of bisphenols (Walters, Richey, Tasset)
5,149,767	09/22/92	07/595,918	10/11/90	Thermosetting mixtures utilizing araliphatic sulfonium salts.
5,149,841	09/22/92	07/694,525	05/01/91	N,N,N',N'-tetracyclic-4,4'-diaminodiphenylmethanes
5,149,863	09/22/92	07/744,065	08/12/91	Low temperature curable dicyanate esters of dihydric phenols
5,153,101	10/06/92	07/537,394	06/13/90	Photoresist
5,162,574	11/10/92	07/581,778	09/13/90	Bis(4-cyanatophenyl)-1,1-ethane
5,179,179	01/12/93	07/874,782	04/27/92	Initiators for materials which can be polymerized cationically
5,183,869	02/02/93	07/699,541	05/14/91	Hardenable compositions

120

13

Cont 4

Patent	Granted	Application	Filed	Title
5,198,516	03/30/93	07/730,537	07/16/91	Thermally stable bisimido/P-allylaniline copolymers
5,200,452	04/06/93	07/791,817	11/18/91	Fire retardant curable 1-oxa-3-azatetraline (also termed "3,4-dihydro-1,3-benzoxazine") derived resin composition
5,206,338	04/27/93	07/790,023	11/05/91	N,N'-bis(maleimide)/hindered diamine copolymerizate
5,208,110	05/04/93	07/368,452	06/19/89	Security cards
5,221,723	06/22/93	07/864,146	04/06/92	Thermally stable bisimido copolymerizates
5,229,485	07/20/93	07/766,467	09/26/91	Soluble polyimides
5,236,746	08/17/93	07/908,604	06/29/92	Curtain coating process for producing thin photoimageable coatings
5,239,093	08/24/93	07/930,114	08/14/92	Process for the preparation of addition products of epoxides and alcohols
5,240,981	08/31/93	07/709,905	06/03/91	Flame retardant polyimide system
5,245,048	09/14/93	07/805,430	12/11/91	Production of glycidyl compounds
5,247,113	09/21/93	07/638,602	01/07/91	Araliphatic sulfonium and their use
5,262,501	11/16/93	07/881,587	05/12/92	Mixtures of spiroheptadienes
5,272,227	12/21/93	07/747,594	08/20/91	Adducts of hydroxyl-group containing epoxy resins and isocyanates and use thereof
5,280,069	01/18/94	07/693,874	04/30/91	N-glycidyl compound
5,284,968	02/08/94	07/769,356	09/30/91	Process for preparing bis (4-cyanatophenyl)-1,1-ethane
5,286,611	02/15/94	07/916,933	07/20/92	Photoresist
5,290,624	03/01/94	07/872,745	04/22/92	Heat-conductive adhesive films, laminates with heat-conductive adhesive layers and the use thereof
5,294,683	03/15/94	07/952,123	09/28/92	Solid compositions of polyglycidyl compounds having a molecular weight of less than 1500
5,296,567	03/22/94	07/863,638	04/06/92	Thermocurable compositions
5,300,380	04/05/94	07/947,899	09/17/92	Process for the production of relief structures using a negative photoresist based on polyphenols and epoxy compounds or vinyl ethers. (Roth, Meier)
5,304,662	04/19/94	08/000,900	01/06/93	Polyglycidyl compounds (Michael R. Thoseby; Bryan Dobinson)
5,321,103	06/14/94	08/131,272	10/04/93	Compositions comprising aminoplast resins and solid colloidal condensation polymers (Alfred Renner)
5,322,907	06/21/97	07/856,240	03/25/92	Hardeners for powder coating compositions based on polyester resins (Cotting; Gottis)
5,331,068	07/19/94	08/109,415	08/19/93	Adducts of diaminodiphenyl sulfone compounds as hardeners for epoxy resins
5,332,781	07/26/94	08/080,797	06/22/93	Storage-stable suspension of tougheners in epoxy resin hardeners
5,339,537	08/23/94	07/973,469	11/09/92	Continuous drier for flat piece material
5,342,903	08/30/94	08/055,656	04/30/93	Process for the Preparation of adducts of epoxides and alcohols
5,344,635	09/06/94	08/011,930	02/01/93	Filler for heat-conductive plastics materials
5,352,831	10/04/94	07/914,158	07/14/92	Oligomeric cyanoguanidines
5,359,020	10/25/94	07/701,264	05/16/91	Hardenable compositions comprising bismaleimides alkenylphenols and phenol diallyl ethers
5,362,835	11/08/94	07/804,308	12/09/91	Production of compounds
5,362,849	11/08/94	08/147,705	11/04/93	N-Glycidyl compound

169

169

Cont 4

Patent	Granted	Application	Filed	Title
5,366,947	11/22/94	07/931,755	08/18/92	Initiators for materials which can be polymerized cationically
5,371,115	12/06/94	07/870,156	04/15/92	Cationically polymerizable compositions containing iron metallolene salt
5,371,259	12/06/94	08/046,350	04/08/93	Iron (II) metallocene salts
5,374,697	12/20/94	08/091,803	07/14/93	Selected novel sulfonium compounds particularly suitable as initiators for the thermal cure of cationically polymerisable materials
5,382,710	01/17/95	07/922,450	07/30/92	Aromatic polyhydroxy compounds and process for the preparation thereof (Walters, Richey, Tasset)
5,391,681	02/21/95	08/068,376	05/27/93	Curable compositions based on epoxy resins or mixtures of epoxy resins and polyisocyanates containing trisimidazolyl triazines
5,399,416	03/21/95	08/159,389	11/30/93	Heat-conductive adhesive films, laminates with heat-conductive adhesive layer and the use thereof
5,403,907	04/04/95	08/104,048	02/14/92	Prepolymers having imide groups
5,412,065	05/02/95	08/045,395	04/09/93	Polyimide oligomers
5,420,312	05/30/95	07/979,011	11/20/92	Glycidyl ether from alcohol and epichlorohydrin
5,420,342	05/30/95	08/154,642	11/19/93	Process for preparing bis (4-cyanatophenyl)-1,1-ethane
5,424,373	06/13/95	08/268,091	06/28/94	Oligomeric cyanoguanidines hardeners for epoxy resins
5,426,150	06/20/95	08/241,212	05/10/94	Preparing suspension of epoxy resin hardener and toughener
5,443,911	08/22/95	08/150,975	11/12/93	Curable resins comprising halogenated epoxy resins and 1-oxa-3-AZA tetraline compounds, method for preparing and use of resins
5,451,362	09/19/95	08/154,201	11/18/93	Moulding process
5,457,168	10/10/95	08/384,793	02/13/95	Solid compositions of polyglycidyl compounds having a molecular weight of less than 1500
5,470,896	11/28/95	08/376,539	01/20/95	Storage-stable solutions of accelerator systems
5,470,920	11/28/95	08/122,600	04/03/92	Impregnating solutions based on at least one reactive thermoplastic poly (imide - amide) oligomer and a coreactant; which can be used especially for the production of preimpregnated intermediate articles
5,478,915	12/26/95	08/175,817	12/30/93	Polyimide oligomers
5,494,944	02/27/96	08/292,658	08/18/94	Hardenable composition and its use
5,501,942	03/26/96	08/304,643	09/12/94	Photosensitive composition containing water as solvent or dispersant
5,503,936	04/02/96	08/371,645	01/12/95	N-alkyl-N'-aryl-p-phenylenediamines as modifiers for epoxy resins
5,505,895	04/09/96	08/166,749	12/14/93	Process for making moulded articles of epoxy resin compositions
5,506,313	04/09/96	08/301,468	09/07/94	Phosphorus-containing flameproofing agents for epoxy resin materials
5,512,322	04/30/96	08/256,376	01/13/93	Epoxy resin composition and applications, in particular in composite structures using imidazole/polyamine mixture
5,521,261	05/28/96	08/250,125	05/27/94	Epoxy resin mixtures containing advancement catalysts
5,523,044	06/04/96	08/259,642	06/14/94	Process for molding epoxy resins with coarse decorative particles

180

196

Cont 4

Patent	Granted	Application	Filed	Title
5,523,362	06/04/96	08/412,181	03/28/95	Oligomeric cyanoguanidines
5,525,685	06/11/96	07/706,683	05/29/91	Epoxy resin compositions
5,541,282	07/30/96	08/336,597	11/09/94	Aromatic polyhydroxy compounds and process for the preparation thereof
5,543,572	08/06/96	08/377,719	01/24/95	Monocarboxamides of polyamines
5,552,459	09/03/96	08/240,791	05/10/94	Highly filled epoxy casting resin compositions
5,565,500	10/15/96	08/310,452	09/22/94	Cationically polymerizable mixtures containing selected metallocene complex salts as curing agents
5,567,237	10/22/96	08/259,641	06/14/94	Continuous drier for board-shaped piece material and coating installation comprising such a continuous drier
5,569,734	10/29/96	08/432,112	05/03/95	Curable epoxy resin mixtures containing metal salts
5,576,399	11/19/96	08/268,095	06/28/94	Epoxy acrylates
5,591,811	01/07/97	08/527,132	09/12/95	1-imidazolylmethyl-2-naphthols as catalysts for curing epoxy resins
5,597,886	01/28/97	08/512,044	08/07/95	Heat-curable epoxy resin systems having a good reactivity/stability ratio
5,606,013	02/25/97	06/948,278	12/31/86	Polyamic acids and polyimides
5,614,126	03/25/97	08/449,144	05/24/95	Solventless curable resin composition in particular for the fabrication of prepregs
5,614,606	03/25/97	06/948,279	12/31/86	Polyamic acids and polyimides
5,616,633	04/01/97	08/303,904	09/09/94	Liquid epoxy resin compositions
5,633,341	05/27/97	08/211,297	03/30/94	At room temperature crosslinkable compositions, and methods of their manufacture and use
5,637,148	06/10/97	08/529,467	09/18/95	Apparatus for coating board-shaped piece material on both sides
5,637,387	06/10/97	08/462,438	06/02/95	Storage-stable advanced polymaleimide compositions
5,652,322	07/29/97	08/715,054	09/17/96	Heat-curable epoxy resin systems having a good reactivity/stability ratio
5,668,227	09/16/97	08/613,393	03/11/96	Cyclohexyl-group-containing glycidyl ethers
5,691,006	11/25/97	08/568,092	12/06/95	Solder resist coating form photosensitive composition containing water as solvent or dispersant
5,703,343	12/30/97	08/545,746	11/01/95	Process and plant for the manufacture of solid castings from an essentially liquid reactive medium, and oven for heating an essentially liquid medium
5,705,541	01/06/98	08/647,077	05/08/96	High gloss molded articles of curable epoxy resin composition comprising fillers
5,789,482	08/04/98	07/952,122	09/28/92	Epoxy resin with anhydride, roughener and active hydrogen-containing compound
5,821,318	10/13/98	08/779,181	01/06/97	Hardener composition for epoxy resins
5,844,047	12/01/98	08/838,765	04/10/97	Single component, heat curing compositions which are stable when stored at room temperature and which comprise polymers containing anhydride groups and powdered crosslinking agents, and their method of manufacture and use
5,847,376	12/08/98	08/840,561	04/15/97	Process and plant for the manufacture of solid castings from an essentially liquid reactive medium, and oven for heating an essentially liquid medium
5,872,163	02/16/99	08/738,561	10/28/96	Liquid epoxy resin composition containing wollastonite and calcite

Cont 4

Patent	Granted	Application	Filed	Title
5,900,204	05/04/99	08/894,544	03/01/96	Production of thermoset pressure gelation castings
5,904,888	05/18/99	08/973,649	06/18/96	Curable compositions
5,906,784	05/25/99	08/959,502	10/28/97	Curable epoxy resin compositions
5,908,668	06/01/99	08/991,523	12/16/97	Curtain coating apparatus having a planar deflector surface and method for using the same
5,939,242	08/17/99	08/757,391	11/27/96	Positive Photoresist with an alkoxyalkyl ester group-containing (co)polymer and carboxyl-group containing (co)polymer
5,942,371	08/24/99	08/714,633	09/13/96	Aqueous acrylic photopolymerisable compositions
5,955,551	09/21/99	08/907,285	08/06/97	Polyglycidyl ethers of secondary alcohols, their preparation, and curable compositions containing them
5,994,432	11/30/99	07/727,539	07/09/91	Storage-stable/clear solutions of poly(imideamides)
5,994,475	11/30/99	08/886,308	07/01/97	Reaction products of amine and a carboxyl functional microgel
6,001,428	12/14/99	08/630,738	04/10/96	Solid epoxy resin compositions crosslinkable with UV rays
6,001,902	12/14/99	09/048,821	03/26/98	Wollastonite-containing curable epoxy resin mixture
6,029,944	02/29/00	08/894,451	02/24/96	Casting device and an adapter for a casting device
6,030,713	02/29/00	08/184,537	11/02/98	Electrical or Electronic Components Encapsulated with Liquid Epoxy Resins Containing a Mixture of Wollastonite and Calcite Fillers
6,037,392	03/14/00	08/755,382	11/21/96	Core/shell particles, and curable epoxy resin composition
6,045,972	04/04/00	09/320,919	05/27/99	Coating method using aqueous photopolymerizable compositions
6,048,946	04/11/00	09/137,371	08/20/98	Hydrophobic epoxy resin systems
6,054,536	04/25/00	09/124,139	07/29/98	Epoxy resin compositions
6,066,435	05/23/00	09/075,638	05/11/98	Liquid photosensitive composition
6,090,891	07/18/00	09/075,639	05/11/98	Carboxyl-containing polymer(s) with (2-oxo-1,3-dioxolan-4-yl)methyl groups-containing compound(s)
6,093,493	07/25/00	09/100,003	06/17/98	Method for the coating or encapsulation of fluidizable substrates
6,103,157	08/15/00	09/100,005	06/17/98	Process for impregnating electrical coils, and selected epoxy resin composition for carrying out the impregnation
6,103,825	08/15/00	09/070,662	04/30/98	Epoxy resin pre-advanced with carboxyl-containing polyester and advanced with bisphenol
6,107,451	08/22/00	09/177,141	10/21/98	Hardener for anhydride group-containing polymers
6,111,015	08/29/00	08/391,329	02/21/95	Core/shell polymer toughener suspended in epoxy resin
6,112,885	09/05/00	09/035,310	03/05/98	Transport apparatus for thin, board-shaped substrates
6,117,952	09/12/00	09/019,636	02/06/98	Powder coating composition
6,132,641	10/17/00	09/077,484	05/29/98	Composition and support material comprising poly(9,9'-spiro-bisfluorenes)
6,136,922	10/24/00	08/690,373	07/26/96	Composition of carboxyl-containing poly(meth)acrylate, carboxyl-terminated polyester and epoxy resin

250

252

Cont 4

Patent	Granted	Application	Filed	Title
6,165,558	12/26/00	09/101,789	07/16/98	Storage-stable moulding powder based on epoxy resins
6,169,158	01/02/01	09/298,573	04/23/99	Polyglycidyl compounds
6,174,985	01/16/01	09/230,410	01/25/99	Epoxy resins with n-esters substituted imidazoles
6,180,009	01/30/01	09/101,095	02/23/98	Method of filtering the organic solutions arising in the production of circuit boards
6,180,693	01/30/01	09/390,122	09/03/99	Core/shell particles, and curable epoxy resin compositions comprising same
6,194,490	02/27/01	09/253,162	02/19/99	Curable composition comprising epoxidised natural oils
6,197,849	03/06/01	09/248,649	02/11/99	Organophilic phyllosilicates
6,197,861	03/06/01	09/230,395	01/27/99	Stabilisation of paints with spiroindane derivatives
6,242,638	06/05/01	09/267,585	03/12/99	Cyanate esters having flame resistant properties (CIP filed 06/26/00 - 6,365,671)
6,258,919	07/10/01	09/142,269	09/03/98	Curable epoxy resin compositions containing water-processable polyamide hardeners
6,262,148	07/17/01	09/334,085	06/16/99	Novel phenalkamine curing agents and epoxy resin compositions containing the same
6,265,487	07/24/01	09/016,619	01/30/98	Powder coating of carboxyl-containing poly(meth) acrylic resin and trans(cis)diglycidyl 1,4-
6,271,463	08/07/01	09/327,859	06/18/99	Use of expandable epoxy systems for barrier materials in high voltage liquid-filled transformers
6,274,673	08/14/01	09/376,797	08/18/99	Powder coating composition of epoxy resin mixture and carboxyl-containing
6,277,929	08/21/01	09/380,449	03/07/97	Polymerizable Unsaturated Compounds, Curable Resin Compositions Containing the same, and Products of Curing thereof
6,350,825	02/26/02	09/605,193	06/28/00	Reacting Diglycidyl, Bisphenol and monophenol with Catalyst and Mixing with Polyglycidyl
6,365,671	04/02/02	09/603,504	06/26/00	Compositions cyanate ester and aromatic compounds having improved heat release properties
6,380,445	04/30/02	09/567,348	05/09/00	Poly(9,9'-spirobisfluorenes), their production and their use
6,399,277	06/04/02	09/214,053	12/28/98	Photopolymerizable thermosetting resin composition
6,417,316	07/09/02	09/421,166	10/19/99	Curable epoxy resin compositions
6,433,084	08/13/02	09/298,572	04/23/99	Powder coating
6,437,045	08/20/02	09/697,331	10/25/00	Powder coating of carboxyl polyester or (poly) methacrylate and cycloaliphatic polyepoxide
6,455,662	09/24/02	09/728,991	12/4/00	Curable mixtures based on epoxy resins comprising imidazoles
6,458,993	10/01/02	09/773,305	01/31/01	Cyanate esters having flame resistant properties
6,465,601	10/15/02	09/787,165	06/15/01	Accelerators for hardenable systems
6,479,596	11/12/02	08/652,394	05/23/96	Epoxy acrylates
6,489,405	12/03/02	08/573,767	12/18/95	Epoxy resin formulation containing epoxy group-terminated polyesters
6,517,895	02/11/03	09/719,803	03/12/01	Method of coating printed circuit boards or similar substrates
6,528,594	03/04/03	09/743,501	01/10/01	Flowable granulates

Continuation 4

→

Patent	Granted	Application	Filed	Title
6,555,601	04/29/03	09/465,866	12/16/99	Process for impregnating electrical coils, and selected epoxy composition for carrying out the impregnation
6,559,277	05/06/03	10/096,926	03/14/02	Poly(9,9'-spirobistfluorenes), their production and their use
6,562,410	05/13/03	09/743,378	01/08/01	Heat curable epoxy compositions
6,562,884	05/13/03	09/936,710	09/14/01	Epoxy resin compositions having a long shelf life
6,579,566	06/17/03	08/999,803	05/20/97	One-component epoxy resin system for trickle impregnation and hot dip rolling

keep going

D:\Documents and Settings\Winston.WINSTON\Local Settings\Temporary Internet Files\OLK331\Vanico Inc. IP Grant(v1)1\_1.DOC

286 →

Vantro A&T  
Continuation  
Item 4

All patents are encumbered with security interests.

# PATENT APPLICATIONS

Patent Number	Date Issued	Title
Application	Filed	Title
09/418,609	10/15/99	Method for filling and reinforcing honeycomb sandwich panels
09/703,787	11/01/00	Casting resin and process for the fabrication of resin molds
09/762,908	02/12/01	Pack for two-component product
09/762,909	02/12/01	Pack for two-component product and method of making it
09/762,910	02/12/01	Container and packaging method
09/776,656	02/05/01	Liquid, radiation-curable composition, especially for stereolithography
09/868,289	06/15/01	Thermosetting poly urethane/urea-forming compositions
09/953,250	09/17/01	Photosensitive diacrylate and dimethacrylate compositions
09/986,815	11/13/01	Amine-modified epoxy resin reacted in presence of latent hardener
10/002,181	12/05/01	Method of treating an aluminum surface
10/018,667	12/12/01	Process for the preparation of reaction products of cycloaliphatic epoxides with multifunctional hydroxy compounds
10/031,134	01/14/02	Filler mixtures
10/069,164	02/20/02	Bonding of concrete parts
10/088,564	03/15/02	UV-curable compositions
10/125,508	04/19/02	Photocurable compositions containing reactive polysiloxane particles
10/143,907	05/14/02	Liquid, radiation-curable composition, especially for producing cured articles by stereolithography having high heat deflection temperatures
10/167,436	06/13/02	Liquid radiation-curable composition, especially for producing flexible cured articles by stereolithography
10/182,412	07/29/02	Epoxy resin composition
10/225,830	08/21/02	Use of amino resins and catalyzing redox pairs in three dimensional printing applications
10/258,204	10/18/02	Coherent insert
10/283,233	10/30/02	Photocurable compositions with phosphite viscosity stabilizers
10/332,597	01/10/03	High Functional polymers
10/380,392	03/11/03	Seamless model and method of making a seamless model
10/399,444	04/15/03	Three-dimensional structured printing
10/416,101	04/25/03	High functional polymers

300

311

★

Construction

## U.S. PATENTS ISSUED

Patent	Issued	Application	Filed	Title
4,476,292	10/09/84	06/574,823	01/30/84	Castable polyurethane systems
4,540,750	09/10/85	06/653,417	09/24/84	Diethyl toluene diamine hardener systems
4,659,729	04/21/87	06/847,371	04/02/86	Solid solution of amine and polymerized phenol as epoxy resin cure accelerator
4,701,378	10/20/87	06/847,365	04/02/86	Bonding process using curable epoxide resin adhesive
4,713,432	12/15/87	07/002,358	01/12/87	Solid solution of amine and polymerized phenol
4,734,332	03/29/88	07/002,355	01/12/87	Method for effecting adhesion using laminates from epoxy resins
4,866,111	09/12/89	07/095,725	09/14/87	Solid solutions of polymeric phenols and polyamines as epoxy curing agents
4,916,173	04/10/90	07/190,796	05/06/88	Polyurethane syntactic foam modeling stock
4,920,182	04/24/90	07/279,884	12/05/88	Epoxy resin compositions containing polyester flexibilizer and metallocene complex initiator
4,933,392	06/12/90	07/376,796	07/07/89	Curable epoxide resin compositions
4,952,645	08/28/90	07/287,581	12/16/88	Epoxide resins containing polyesters based on polyalkylene glycols
4,963,636	10/16/90	07/479,223	02/12/90	Adhesion promoters
4,977,214	12/11/90	07/420,193	10/12/89	Curable epoxide resin compositions
4,997,951	03/05/91	07/490,813	03/08/90	Imidazoline compounds
5,021,513	06/04/91	07/592,720	10/04/90	Curable epoxide resin compositions
5,030,698	07/09/91	07/471,574	01/29/90	Composition of epoxy resin, butadiene-acrylonitrile copolymer and segmented copolyester, copolyamide or copolyesteramide
5,140,069	08/18/92	07/481,424	02/16/90	Tough Epoxy casting resins based on polybutadiene-polyoxalkylene glycol copolymers
5,152,862	10/06/92	07/628,735	12/17/90	Imidazoline compounds
5,171,769	12/15/92	07/684,550	04/11/91	Filled thixotropic resin compositions comprising epoxy resin curing agent, sugar-aldehyde and filler
5,198,065	03/30/93	07/660,510	02/25/91	Method for bonding steel to wood using an epoxy primer and adhesive
5,202,390	04/13/93	07/766,883	09/26/91	Butadiene/polar comonomer copolymer and aromatic reactive end group-containing prepolymer
5,230,986	07/27/93	07/649,100	02/01/91	Photosensitive Compositions containing benzotriopyrans and uses thereof
5,237,036	08/17/93	07/875,880	04/29/92	Polyol components for the production of polyurethane moldings
5,274,054	12/28/93	07/861,705	04/01/92	Adducts of epoxides and amines
5,278,257	01/11/94	07/823,513	01/21/92	Phenol-terminated polyurethane or polyurea(urethane) with epoxy resin
5,340,900	08/23/94	08/096,136	07/22/93	Hardener composition for the production of polyurethane shaped articles
5,342,867	08/30/94	08/129,703	09/30/93	Adhesion Promoters
5,437,964	08/01/95	08/201,146	02/24/94	Stereolithography using vinyl ether-epoxide polymers
5,449,704	09/12/95	08/166,763	12/14/93	Photopolymerisable liquid compositions comprising resol and aminotriazine resins
5,451,345	09/19/95	08/129,701	09/30/93	Chemical composition
5,451,616	09/19/95	08/284,729	08/02/94	Photopolymerisable liquid compositions for forming heat curable solid film adhesives
5,461,088	10/24/95	08/292,654	08/18/94	Liquid radiation-curable formulation, in particular for use in stereolithography
5,468,886	11/21/95	08/169,938	12/20/93	(Cyclo)aliphatic epoxy compounds
5,470,689	11/28/95	08/200,982	02/24/94	Polymerisable compositions containing tetraacrylates
5,476,748	12/19/95	08/166,762	12/14/93	Photosensitive composition
5,476,749	12/19/95	08/303,563	09/09/94	Photosensitive compositions based on acrylates
5,487,966	01/30/96	08/231,953	04/21/94	Photosensitive composition

Last Page  
Continuation Item 4

Patent	Issued	Application	Filed	Title
5,494,818	02/27/96	08/266,829	06/27/94	Increasing the useful range of cationic photoinitiators in stereolithography
5,495,029	02/27/96	08/286,061	08/04/94	(Meth)acrylates containing urethane groups
5,506,087	04/09/96	08/231,353	04/20/94	Stereolithography using vinyl ether based polymers
5,530,226	04/23/96	08/230,444	04/20/94	Stereolithography using vinyl ether-epoxide polymers
5,514,519	05/07/96	08/224,503	04/07/94	Production of three-dimensional objects
5,525,400	06/13/96	07/783,701	05/10/91	Information carrier and process for the production thereof
5,523,889	11/12/96	08/432,737	05/09/95	Process for adjusting the sensitivity to radiation of photopolymerizable compositions
5,599,651	02/04/97	08/517,888	08/21/95	(Cyclo)aliphatic epoxy compounds
5,605,941	02/25/97	08/304,464	09/12/94	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable compositions
5,620,553	04/15/97	08/443,949	05/28/95	Photopolymerizable liquid compositions of bonding friction material to metal
5,629,133	05/13/97	08/449,172	05/24/95	Liquid radiation-curable formulation in particular for use in stereolithography
5,645,973	07/08/97	08/592,899	01/29/96	Process for adjusting the sensitivity to radiation of photopolymerizable compositions
5,658,712	08/19/97	08/552,643	11/03/95	(Meth)acrylates containing urethane groups
5,677,107	10/14/97	08/643,790	05/06/96	Production of three-dimensional objects
5,705,116	01/06/98	08/463,086	06/21/95	Increasing the useful range of cationic photoinitiators in stereolithography
5,705,316	01/06/98	08/555,821	11/09/95	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable composition
5,708,120	01/13/98	08/586,840	01/25/96	Gelled reactive resin composition
5,783,358	07/21/98	08/611,914	03/06/96	Stabilization of liquid radiation-curable compositions against undesired premature polymerization
5,783,615	07/21/98	08/834,404	04/16/97	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable compositions
5,783,712	07/21/98	08/689,747	08/13/96	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable compositions
5,859,096	01/12/99	08/820,822	03/19/97	Room temperature storage-stable, heat-curable, low CTE, one component epoxy resin tooling material
5,897,028	04/27/99	08/377,720	01/24/95	Two component adhesive dispensing unit
5,908,901	06/01/99	08/944,672	10/07/97	Gelled reactive resin compositions
5,942,182	08/24/99	08/999,527	09/19/97	One component room temperature stable epoxy resin compositions for VARTM/RTM systems
5,942,370	08/24/99	08/893,835	07/11/97	Production of three-dimensional objects
5,972,563	10/26/99	08/901,303	07/28/97	Liquid radiation-curable composition, especially for stereolithography
5,989,475	11/23/99	09/091,452	06/18/98	Process for the stereolithographic preparation of three-dimensional objects using a radiation-curable liquid formulation which contains fillers
6,043,323	03/28/00	08/342,955	11/21/94	Diarylates and dimethacrylates
6,057,389	05/02/00	09/022,754	02/12/98	Curable Compositions
6,060,544	05/09/00	09/040,989	03/18/98	Chemical compositions
6,077,886	06/20/00	08/947,997	10/09/97	Curable Resin Compositions
6,086,795	07/11/00	09/181,163	10/28/98	Adhesive Compositions
6,099,787	08/08/00	09/115,086	07/14/98	Process for making three-dimensional articles by stereolithography
6,100,007	08/08/00	09/055,832	04/06/98	Liquid, radiation-curable composition, especially for producing cured articles by stereolithography having high heat deflection temperatures

382  
END

**TERMINATION OF SECURITY INTEREST  
(Patents)**

This **TERMINATION OF SECURITY INTEREST**, dated as of December 20, 2005, is made by Deutsche Bank AG New York Branch, as Agent (the "Agent").

WHEREAS, Vantico Inc. and Vantico A&T US Inc. (now known as Huntsman Advanced Materials Americas Inc.) (the "Grantor"), with its principal offices at 4917 Dawn Avenue, East Lansing, MI 48823, has granted to the Agent a security interest in certain personal property, including without limitation a security interest in certain patent applications listed on Exhibit A hereto ("Patents"); and

WHEREAS, the Agent has agreed to terminate and release its security interest in all of such Patents as herein provided;


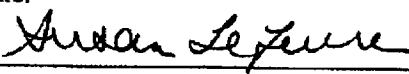
NOW, THEREFORE, for valuable consideration, the Agent hereby terminates and releases all mortgages, liens and security interests granted to the Agent in Grantor's Patents referred to on Schedule A hereto.

[SIGNATURE PAGE FOLLOWS]

CHI:1644540.3

IN WITNESS WHEREOF, the Agent has caused this Termination of Security Interest to be duly executed as of the date first set forth above.

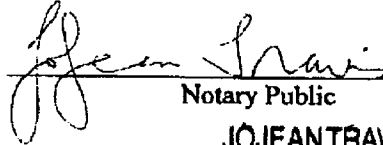
DEUTSCHE BANK AG NEW YORK BRANCH,  
as Agent

By:   
Name:  
Title:  
By:   
Name: **Susan LeFevre**  
Title: **Director**

Signature Page to  
Termination of Security Interest

STATE OF New York )  
 ) SS  
COUNTY OF New York )

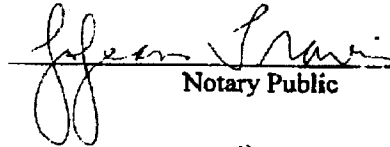
On this 16 day of December, 2005 before me personally came MARTIN COYLE, to me known, who, being by me duly sworn, did depose and say that (s)he is MANAGING DIRECTOR of DEUTSCHE BANK, the entity described in and which executed the foregoing instrument; and that (s)he signed his/her name thereto was authorized to execute such instrument.

  
Notary Public

JOJEAN TRAVIS  
Registration No. 01TR5013241  
New York County  
July 15, 2007

STATE OF New York )  
 ) SS  
COUNTY OF New York )

On this 16 day of December, 2005 before me personally came SUSAN LEFFERS, to me known, who, being by me duly sworn, did depose and say that (s)he is DIRECTOR of DEUTSCHE BANK, the entity described in and which executed the foregoing instrument; and that (s)he signed his/her name thereto was authorized to execute such instrument.

  
Notary Public

JOJEAN TRAVIS  
Registration No. 01TR5013241  
New York County  
July 15, 2007

SCHEDULE OF PATENT APPLICATIONS

SCHEDULE A

See Attached

- 4 -

All patents are encumbered with security interests.

U.S. PATENT APPLICATIONS

Application	Filed	Title
08/268,094	06/28/94	Epoxy acrylates
08/589,435	01/22/96	Curable epoxy resin formulation
08/876,550	06/16/97	Preparation of mouldings by the automatic pressure gelation technique using a one component composition
09/002,847	01/05/98	Curable epoxy resin composition comprising fillers
09/787,220	03/16/01	Method for producing etched circuits
09/787,221	03/16/01	Method for producing multi-layer circuits
09/856,116	05/17/01	Crosslinking agent for carboxyl-containing polymers in heat-curable systems
09/857,684	06/07/01	Hydrophobic epoxide resin system
09/868,817	06/21/01	Production of photoresist coatings
09/890,213	07/26/01	Melamine-modified phyllosilicates
09/932,731	08/17/01	Epoxy acrylates
09/936,706	09/14/01	Hardenable composition with a particular combination of characteristics
09/937,001	09/19/01	Matting agents for thermally curable systems
10/019,910	11/09/01	Photosensitive composition
10/031,108	01/10/02	Nanocomposites
10/031,134	01/14/02	Filler mixtures
10/031,135	03/29/02	Curable composition
10/031,983	01/25/02	Amine hardener for epoxy resins
10/208,460	07/30/02	Powder coating carboxyl polyester or (poly) methacrylate and cycloaliphatic polyepoxide
10/416,978	05/15/03	Positive type photosensitive epoxy resin composition and printed-circuit board using the same
10/433,137	05/29/03	Filled epoxy resin system having high mechanical strength values

21

## U.S. PATENTS ISSUED

Patent	Granted	Application	Filed	Title
RE32,745	09/06/88	07/021,151	03/03/87	Polymeric resins derived from 1-oxa-3-aza tetraline group-containing compounds and cycloaliphatic epoxides
4,474,929	10/02/84	06/538,033	09/30/83	Polyglycidyl ethers of branched novolacs
4,528,359	07/09/85	06/610,896	05/16/84	Adducts of epoxy resins and amino-substituted aromatic sulfonic acid amides
4,540,769	09/10/85	06/654,342	09/25/84	Preparation of n-glycidyl compounds
4,541,894	09/17/85	06/614,760	05/29/84	Metallizable essentially isotropic polymeric substrates well adopted for printed circuits
4,544,623	10/01/85	06/573,098	01/23/84	Photosensitive coating composition and the use thereof for protective purposes
4,594,291	06/10/86	06/716,279	03/25/85	Curable, partially advanced epoxy resins
4,604,317	08/05/86	06/737,591	05/24/85	Curable compositions containing a polyepoxide and a halogenated bisphenol
4,604,452	08/15/86	06/789,678	10/21/85	Metal carboxylate/alkylphenol curing catalyst for polycyanate esters of polyhydric phenols
4,607,091	08/19/86	06/774,433	09/10/85	Polymeric resins derived from 1-oxa-3-aza tetraline group-containing compounds and cycloaliphatic epoxides
4,608,300	08/26/86	06/619,751	06/11/84	Fibre composite materials impregnated with a curable epoxide resin matrix
4,608,434	08/26/86	06/789,679	10/21/85	Metal carboxylate/alcohol curing catalyst for polycyanate ester of polyhydric phenol
4,614,674	09/30/86	06/730,121	05/03/85	Powder coating compositions for the preparation of malt coatings
4,621,159	11/04/86	06/773,685	09/09/85	Brominated hydroxy aromatic compounds
4,624,912	11/25/86	06/698,952	02/06/85	Thermally transferable layers of radiation sensitive epoxy resins used to prepare protective coatings and relief images
4,632,900	12/30/86	06/708,998	03/07/85	Process for the production of images after electrodeposition of positive photoresist on electrically conductive surface
4,654,447	03/31/87	06/831,400	02/20/86	Process for the preparation of tribromotetramethylbiphenol and related compounds
4,656,292	04/07/87	06/745,748	06/17/85	2,3-dimethylmaleimido-alkyl haloacetates
4,661,578	04/28/87	06/801,360	11/25/85	High temperature epoxy resin composition with reduced viscosity
4,661,644	04/28/87	06/812,476	12/23/85	Brominated Epoxy Aromatic compounds
4,666,954	05/19/87	06/642,909	08/21/84	Process for the preparation of prepreps, and the reinforced composite materials which can be obtained therewith
4,666,997	05/16/87	06/773,724	09/09/85	Heat-curable mixture containing substitute bicyclo(2.2.1)hept-5-ene-2,3-dicarboximide and polymaleimide, and the use thereof
4,668,718	05/26/87	06/780,160	09/26/85	Self-extinguishing, track-resistant epoxy resin moulding composition and use thereof
4,668,807	05/26/87	06/807,566	12/11/85	Process for reducing the content of hydrolyzable chlorine in glycidyl compounds
4,672,103	06/09/87	06/829,361	02/14/86	Non-sintering epoxy resins prepared from triglycidyl ethers and epihalohydrins
4,681,923	07/21/87	06/831,685	02/21/86	Modified quinone-diazine group-containing phenolic novolac resins
4,684,700	08/04/87	06/829,364	02/14/86	Advanced epoxy resins prepared from triglycidyl ethers and dihydric phenols

48

Patent	Granted	Application	Filed	Title
4,684,752	08/04/87	06/858,473	04/30/86	Di-ortho-substituted di-meta-halogenated para-halomethylphenols
4,689,378	08/25/87	06/809,444	12/16/85	Stable imide-containing composition from diamino phenyl indane-bis-maleimide and alkenyl phenol
4,709,008	11/24/87	06/880,529	06/30/86	Blend of tris (cyanatophenyl) alkane and bis(cyanatophenyl) alkane
4,722,983	02/02/88	06/939,213	12/08/86	Process for the preparation of glycidyl compounds
4,731,423	03/15/88	06/896,480	08/13/86	Meta-halo-phenolic alkylation products and epoxy systems
4,737,553	04/12/88	06/912,722	09/29/86	Advanced resins from diglycidyl ethers of de-secondary alcohols and dihydric phenols
4,740,584	04/26/88	06/904,610	09/08/86	Blend of dicyanate esters of dihydric phenols
4,742,141	05/03/88	06/929,837	11/13/86	Imido polymer from bis imide and alkenyloxyaniline
4,749,767	06/07/88	07/059,366	06/08/87	Stable imide-containing composition from diaminophenylindane-bis-imide, amine and alkenyl phenol or ether (Chaudhari)
4,756,756	07/12/88	06/705,726	02/26/85	Forming of thick-layer, hybrid electronic-printed circuits (Cassat)
4,785,075	11/15/88	07/078,037	07/27/87	Metal acetylacetonate/alkylphenol curing catalyst of polycyanate esters of polyhydric phenols (Shimp)
4,799,996	01/24/89	07/078,166	07/27/87	Metallizable substrate composites and printed circuits produced therefrom (Cassat)
4,800,215	01/24/89	07/170,217	03/15/88	Compositions prepared from dialkanolamines and triglycidyl ethers of trisphenols (Bertram; Myles; Kubisiak)
4,826,927	05/02/89	07/000,255	01/02/87	Mixtures containing polyimides alkenylphenols and either epoxide group-free adducts or another polyimide (Schmid)
4,829,138	05/09/89	07/159,907	02/24/88	Novel heat-stable siloxane/bismaleimido polymers (Barthelemy)
4,839,440	06/13/89	07/134,043	12/17/87	N,N'-bis(maleimide)salkenyloxyaniline copolymerizates (Barthelemy)
4,839,442	06/13/89	07/210,175	06/20/88	Low viscosity noncrystalline dicyanate ester blends with prepolymers of dicyanate esters (Craig)
4,845,172	07/04/89	07/186,753	04/26/88	Co-advanced resins from copolymers of polyethers of polyhydric phenols and diglycidyl ethers of di-secondary alcohols (Brytus)
4,847,233	04/11/89	07/228,469	08/05/88	Metal acetylacetonate/alkylphenol curing catalyst for polycyanate esters of polyhydric phenols (Shimp)
4,847,343	07/11/89	07/166,501	03/10/88	Heat-resistant maleimido copolymers
4,847,344	07/11/89	07/166,482	03/10/88	Novel heat-resistant maleimido copolymers
4,848,533	07/18/89	07/243,181	09/14/88	Apparatus for conveying panels (Martin)
4,849,320	07/18/89	07/045,022	04/30/87	Method of forming images (Irving)
4,849,490	07/18/89	07/159,911	02/24/88	Novel bis(Maleimide)/polysiloxanes
4,857,607	08/15/89	07/195,312	05/18/88	Epoxidized polycycloacetals (Cotting)
4,861,438	08/29/89	07/297,372	01/17/89	Method of making patterns (Banks)
4,885,354	12/05/89	07/258,542	10/17/88	Epoxy resin compositions (Hofer)
4,892,925	01/09/90	07/300,460	01/23/89	Process for preparing phenolic hydroxyl-containing compounds from 2,6-Dibromo-3,5-dialkyl-4-hydroxybenzyl ethers
4,895,755	01/23/90	07/259,449	10/14/88	Halogenated Advanced Epoxy resins

11

Patent	Granted	Application	Filed	Title
4,914,185	04/03/90	06/651,996	04/14/86	Adducts of metabrominated phenols and polyfunctional epoxides (Wang et al.)
4,923,520	05/08/90	07/251,995	09/30/88	Spherical fused silica and its use in fillers and resin compositions (Anzai & Hamabe)
4,926,789	05/22/90	07/252,302	10/03/88	Transport apparatus for boards (Wenger)
4,931,545	06/05/90	07/347,251	05/03/89	Flame retardant polycyanate ester blend (Shimp)
4,940,848	07/10/90	07/269,862	11/10/88	Stable solutions of prepolymers of thiodi(phenylcyanate) and laminating method employing same (Shimp)
4,950,728	08/21/90	202,544	06/06/88	Thermally stable (imide/amide/urea/siloxane) block copolymers
4,957,946	09/18/90	07/202,739	06/03/88	Cationically polymerizable mixtures containing metallocene complex salt of certain carboxylic or sulfonic acids (Meier)
4,962,178	10/09/90	07/266,555	11/03/88	Novel polysiloxane - polyurethanes and contact lens thereof
4,963,300	10/16/90	07/279,747	12/05/88	Process for the preparation of laminates
4,973,648	11/27/90	07/411,949	09/25/89	Epoxy resin compositions (Hofer)
4,973,649	11/27/90	07/319,306	03/03/89	Hindered diamine/imido prepolymers
4,975,500	12/04/90	07/440,149	11/22/89	Adducts of metabrominated phenols and polyfunctional epoxides
4,978,604	12/18/90	07/208,524	06/20/88	Process for forming images (Banks)
4,978,809	12/18/90	07/434,150	11/13/89	Meta-halogenated dibenzylphenols
4,992,488	02/12/91	07/403,845	09/01/89	Glass fibre-reinforced epoxide resin moulding composition and its use (Ruf)
4,992,572	02/12/91	07/258,544	10/17/88	Process for the preparation of organometallic compounds (Desobry)
4,994,346	02/19/91	07/221,846	07/20/88	Negative photoresist based on polyphenols and selected epoxy or vinyl ether compounds (Meier)
4,996,285	02/26/91	07/420,723	10/11/89	Imide/epoxy thermosetting compositions (Arpin)
5,002,858	03/26/91	07/434,599	11/07/89	Process for the formation of an image (Demmer)
5,006,626	04/09/91	07/411,951	09/25/89	Epoxy resin compositions (Hofer)
5,013,804	05/07/91	07/505,097	04/03/90	Curable mixtures containing a bismaleimide and a propenyl compound (Kramer)
5,013,814	05/07/91	07/462,252	01/09/90	Araliphatic sulfonium salts and their use (Roth)
5,019,639	05/28/91	07/503,399	04/02/90	Novel epoxy resins (Hofer)
5,021,484	06/04/91	07/376,875	07/07/89	Fire retardant curable 1-oxa-3-aza tetraline (also termed "3,4-dihydro-1,3-benzoxazine") derived resin composition (Schreiber)
5,028,668	07/02/91	07/549,177	07/06/90	Adducts of metabrominated phenols and polyfunctional epoxides
5,030,730	07/09/91	07/483,149	02/21/90	Curable mixtures (Munk)
5,034,503	07/23/91	07/598,126	10/16/90	Novel imido copolymers (Camberlin)
5,037,923	08/06/91	07/544,061	06/26/90	Novel imido Polymers (R. Arpin)
5,053,474	10/01/91	07/426,850	10/26/89	Imido polymers (Camberlin)
5,068,309	11/26/91	07/501,231	03/29/90	Low temperature curable dicyanate ester of dihydric phenol composition (Shimp)
5,073,233	12/17/91	07/532,533	06/04/90	Method of making a metallic pattern on a substrate (Banks)
5,073,478	12/17/91	07/439,724	11/20/89	Method of making a pattern (Banks)

109

Patent	Granted	Application	Filed	Title
5,079,129	01/07/92	07/445,134	11/30/89	Negative photoresist based on polyphenols and epoxy compounds or vinyl ethers (Roth)
5,080,998	01/14/92	07/629,099	12/17/90	Process for the formation of positive images utilizing electrodeposition of o-quinone diazide compound containing photoresist on conductive surface (Irving)
5,082,952	01/21/92	06/867,113	05/27/86	Process for the preparation of metallocene complexes (Meier)
5,086,154	02/04/92	07/550,047	07/09/90	Linear aromatic poly/amideimide)s having latent maleimide end groups (Camberlin)
5,087,688	02/11/92	07/541,237	06/20/90	Fibrous composite structure impregnated with a solvent-free curable epoxy resin matrix (Cruber)
5,098,527	03/24/92	07/408,860	09/18/89	Method of making electrically conductive patterns (Banks)
5,098,963	03/24/92	07/652,845	02/08/91	Adducts of metabrominated phenols and polyfunctional epoxides (Wang, Mendoza)
5,112,440	05/12/92	07/601,162	10/22/90	Method for making metallic patterns (Banks)
5,113,701	05/19/92	07/647,322	01/29/91	Transport device for boards having a sensitive surface especially for wet-coated circuit boards (Martin)
5,113,785	05/19/92	07/590,902	10/01/90	Transport device for boards, especially those having a sensitive surface (Martin)
5,115,005	05/19/92	07/756,405	09/09/91	Phosphinic acid flame retardant (Horner)
5,117,010	05/26/92	07/745,569	08/15/91	Process for the preparation of addition products of epoxides and alcohols (Cheng)
5,122,589	06/16/92	07/506,743	04/10/90	Imido/siloxane bismaleimide/aromatic diamine prepolymers (Camberlin)
5,122,590	06/16/92	07/506,744	04/10/90	Imido/hindered diamine copolymers (Camberlin)
5,124,233	06/23/92	07/202,765	06/03/88	Photoresist composition
5,124,419	06/23/92	07/696,706	05/07/91	Imido polymers (R. Arpin)
5,128,491	07/07/92	07/738,072	07/30/91	Process for the Preparation of Glycidyl Ethers of Di-secondary Alcohols with High Monomer Content
5,130,406	07/14/92	07/496,557	03/19/90	Initiators for Materials which can be polymerized Cationically
5,130,452	07/14/92	07/695,856	05/06/91	Phosphorus compounds and their use a flame retardant for polymers
5,132,346	07/21/92	07/741,389	08/07/91	Flame retardant compositions of halogen-free polymers containing cyclic phosphate or thiophosphate flame retardants
5,136,110	08/04/92	07/626,597	12/12/90	Process for the preparation of bisphenols (Walters, Richey, Tasset)
5,149,767	09/22/92	07/595,918	10/11/90	Thermosetting mixtures utilizing araliphatic sulfonium salts.
5,149,841	09/22/92	07/694,525	05/01/91	N,N,N',N'-tetracycidyl-4,4',-diaminodiphenylmethanes
5,149,863	09/22/92	07/744,065	08/12/91	Low temperature curable dicyanate esters of dihydric phenols
5,153,101	10/06/92	07/537,394	06/13/90	Photoresist
5,162,574	11/10/92	07/581,770	09/13/90	Bis(4-cyanalophenyl)-1,1-ethane
5,179,179	01/12/93	07/874,782	04/27/92	Initiators for materials which can be polymerized cationically
5,183,869	02/02/93	07/699,541	05/14/91	Hardenable compositions

120

137

Patent	Granted	Application	Filed	Title
5,198,516	03/30/93	07/730,537	07/16/91	Thermally stable bisimido/P-allylaniline copolymers
5,200,452	04/06/93	07/791,817	11/18/91	Fire retardant curable 1-oxa-3-azatetraline (also termed "3,4-dihydro-1,3-benzoxazine") derived resin composition
5,206,338	04/27/93	07/790,023	11/05/91	N,N'-bis(maleimide)/hindered diamine copolymerizate
5,208,110	05/04/93	07/368,452	06/19/89	Security cards
5,221,723	06/22/93	07/864,146	04/06/92	Thermally stable bisimido copolymerizates
5,229,485	07/20/93	07/766,467	09/26/91	Soluble polyimides
5,236,746	08/17/93	07/908,604	06/29/92	Curtain coating process for producing thin photoimageable coatings
5,239,093	08/24/93	07/930,114	08/14/92	Process for the preparation of addition products of epoxides and alcohols
5,240,981	08/31/93	07/709,905	06/03/91	Flame retardant polyimide system
5,245,048	09/14/93	07/805,430	12/11/91	Production of glycidyl compounds
5,247,113	09/21/93	07/638,602	01/07/91	Araliphatic sulfonium and their use
5,262,501	11/16/93	07/881,587	05/12/92	Mixtures of spiroheptadienes
5,272,227	12/21/93	07/747,594	08/20/91	Adducts of hydroxyl-group containing epoxy resins and isocyanates and use thereof
5,280,069	01/18/94	07/693,874	04/30/91	N-glycidyl compound
5,284,968	02/08/94	07/769,356	09/30/91	Process for preparing bis (4-cyanatophenyl)-1,1-ethane
5,286,611	02/15/94	07/916,933	07/20/92	Photoresist
5,290,624	03/01/94	07/872,745	04/22/92	Heat-conductive adhesive films, laminates with heat-conductive adhesive layers and the use thereof
5,294,603	03/15/94	07/952,123	09/28/92	Solid compositions of polyglycidyl compounds having a molecular weight of less than 1500
5,296,567	03/22/94	07/863,638	04/06/92	Thermocurable compositions
5,300,380	04/05/94	07/947,899	09/17/92	Process for the production of relief structures using a negative photoresist based on polyphenols and epoxy compounds or vinyl ethers. (Roth, Meier)
5,304,662	04/19/94	08/000,900	01/06/93	Polyglycidyl compounds (Michael R. Thoseby; Bryan Dobinson)
5,321,103	06/14/94	08/131,272	10/04/93	Compositions comprising aminoplast resins and solid colloidal condensation polymers (Alfred Renner)
5,322,907	06/21/97	07/856,240	03/25/92	Hardeners for powder coating compositions based on polyester resins (Cotting; Cottis)
5,331,068	07/19/94	08/109,415	08/19/93	Adducts of diaminodiphenyl sulfone compounds as hardeners for epoxy resins
5,332,781	07/26/94	08/080,797	06/22/93	Storage-stable suspension of tougheners in epoxy resin hardeners
5,339,537	08/23/94	07/973,469	11/09/92	Continuous drier for flat piece material
5,342,903	08/30/94	08/055,656	04/30/93	Process for the Preparation of adducts of epoxides and alcohols
5,344,635	09/06/94	08/011,930	02/01/93	Filler for heat-conductive plastics materials
5,352,831	10/04/94	07/914,158	07/14/92	Oligomeric cyanoguanidines
5,359,020	10/25/94	07/701,264	05/16/91	Hardenable compositions comprising bismaleimides alkenylphenols and phenol diallyl ethers
5,362,835	11/08/94	07/804,308	12/09/91	Production of compounds
5,362,849	11/08/94	08/147,705	11/04/93	N-Glycidyl compound

Patent	Granted	Application	Filed	Title
5,366,947	11/22/94	07/931,755	08/18/92	Initiators for materials which can be polymerized cationically
5,371,115	12/06/94	07/870,156	04/15/92	Cationically polymerizable compositions containing iron metallolene salt
5,371,259	12/06/94	08/046,350	04/08/93	Iron (II) metallocene salts
5,374,697	12/20/94	08/091,803	07/14/93	Selected novel sulfonium compounds particularly suitable as initiators for the thermal cure of cationically polymerisable materials
5,382,710	01/17/95	07/922,450	07/30/92	Aromatic polyhydroxy compounds and process for the preparation thereof (Walters, Richey, Tasset)
5,391,681	02/21/95	08/068,376	05/27/93	Curable compositions based on epoxy resins or mixtures of epoxy resins and polyisocyanates containing trisimidazolyl triazines
5,399,416	03/21/95	08/159,389	11/30/93	Heat-conductive adhesive films, laminates with heat-conductive adhesive layer and the use thereof
5,403,907	04/04/95	08/104,048	02/14/92	Prepolymers having imide groups
5,412,065	05/02/95	08/045,395	04/09/93	Polyimide oligomers
5,420,312	05/30/95	07/979,011	11/20/92	Glycidyl ether from alcohol and epichlorohydrin
5,420,342	05/30/95	08/154,642	11/19/93	Process for preparing bis (4-cyanatophenyl)-1,1-ethane
5,424,373	06/13/95	08/268,091	06/28/94	Oligomeric cyanoguanidines hardeners for epoxy resins
5,426,150	06/20/95	08/241,212	05/10/94	Preparing suspension of epoxy resin hardener and toughener
5,443,911	08/22/95	08/150,975	11/12/93	Curable resins comprising halogenated epoxy resins and 1-oxa-3-AZA tetraline compounds, method for preparing and use of resins
5,451,362	09/19/95	08/154,201	11/18/93	Moulding process
5,457,168	10/10/95	08/384,793	02/13/95	Solid compositions of polyglycidyl compounds having a molecular weight of less than 1500
5,470,896	11/28/95	08/376,539	01/20/95	Storage-stable solutions of accelerator systems
5,470,920	11/28/95	08/122,600	04/03/92	Impregnating solutions based on at least one reactive thermoplastic poly (imide - amide) oligomer and a coreactant; which can be used especially for the production of preimpregnated intermediate articles
5,478,915	12/26/95	08/175,817	12/30/93	Polyimide oligomers
5,494,944	02/27/96	08/292,658	08/18/94	Hardenable composition and its use
5,501,942	03/26/96	08/304,643	09/12/94	Photosensitive composition containing water as solvent or dispersant
5,503,936	04/02/96	08/371,645	01/12/95	N-alkyl-n'-aryl-p-phenylenediamines as modifiers for epoxy resins
5,505,895	04/09/96	08/166,749	12/14/93	Process for making moulded articles of epoxy resin compositions
5,506,313	04/09/96	08/301,468	09/07/94	Phosphorus-containing flameproofing agents for epoxy resin materials
5,512,322	04/30/96	08/256,376	01/13/93	Epoxy resin composition and applications, in particular in composite structures using imidazole/polyamine mixture
5,521,261	05/28/96	08/250,125	05/27/94	Epoxy resin mixtures containing advancement catalysts
5,523,044	06/04/96	08/259,642	06/14/94	Process for molding epoxy resins with coarse decorative particles

196

Patent	Granted	Application	Filed	Title
5,523,362	06/04/96	08/412,181	03/28/95	Oligomeric cyanoguanidines
5,525,685	06/11/96	07/706,683	05/29/91	Epoxy resin compositions
5,541,282	07/30/96	08/336,597	11/09/94	Aromatic polyhydroxy compounds and process for the preparation thereof
5,543,572	08/06/96	08/377,719	01/24/95	Monocarboxamides of polyamines
5,552,459	09/03/96	08/240,791	05/10/94	Highly filled epoxy casting resin compositions
5,565,500	10/15/96	08/310,452	09/22/94	Cationically polymerizable mixtures containing selected metallocene complex salts as curing agents
5,567,237	10/22/96	08/259,641	06/14/94	Continuous drier for board-shaped piece material and coating installation comprising such a continuous drier
5,569,734	10/29/96	08/432,112	05/03/95	Curable epoxy resin mixtures containing metal salts
5,576,399	11/19/96	08/268,095	06/28/94	Epoxy acrylates
5,591,811	01/07/97	08/527,132	09/12/95	1-imidazolylmethyl-2-naphthols as catalysts for curing epoxy resins
5,597,886	01/28/97	08/512,044	08/07/95	Heat-curable epoxy resin systems having a good reactivity/stability ratio
5,606,013	02/25/97	06/948,278	12/31/86	Polyamic acids and polyimides
5,614,126	03/25/97	08/449,144	05/24/95	Solventless curable resin composition in particular for the fabrication of prepregs
5,614,606	03/25/97	06/948,279	12/31/86	Polyamic acids and polyimides
5,616,633	04/01/97	08/303,904	09/09/94	Liquid epoxy resin compositions
5,633,341	05/27/97	08/211,297	03/30/94	At room temperature crosslinkable compositions, and methods of their manufacture and use
5,637,148	06/10/97	08/529,467	09/18/95	Apparatus for coating board-shaped piece material on both sides
5,637,387	06/10/97	08/462,438	06/02/95	Storage-stable advanced polymaleimide compositions
5,652,322	07/29/97	08/715,054	09/17/96	Heat-curable epoxy resin systems having a good reactivity/stability ratio
5,668,227	09/16/97	08/613,393	03/11/96	Cyclohexyl-group-containing glycidyl ethers
5,691,006	11/25/97	08/568,092	12/06/95	Solder resist coating form photosensitive composition containing water as solvent or dispersant
5,703,343	12/30/97	08/545,746	11/01/95	Process and plant for the manufacture of solid castings from an essentially liquid reactive medium, and oven for heating an essentially liquid medium
5,705,541	01/06/98	08/647,077	05/08/96	High gloss molded articles of curable epoxy resin composition comprising fillers
5,789,482	08/04/98	07/952,122	09/28/92	Epoxy resin with anhydride, roughener and active hydrogen-containing compound
5,821,318	10/13/98	08/779,181	01/06/97	Hardener composition for epoxy resins
5,844,047	12/01/98	08/838,765	04/10/97	Single component, heat curing compositions which are stable when stored at room temperature and which comprise polymers containing anhydride groups and powdered crosslinking agents, and their method of manufacture and use
5,847,376	12/08/98	08/840,561	04/15/97	Process and plant for the manufacture of solid castings from an essentially liquid reactive medium, and oven for heating an essentially liquid medium
5,872,163	02/16/99	08/738,561	10/28/96	Liquid epoxy resin composition containing wollastonite and calcite

Patent	Granted	Application	Filed	Title
5,900,204	05/04/99	08/894,544	03/01/96	Production of thermoset pressure gelation castings
5,904,888	05/18/99	08/973,649	06/18/96	Curable compositions
5,906,784	05/25/99	08/959,502	10/28/97	Curable epoxy resin compositions
5,908,668	06/01/99	08/991,523	12/16/97	Curtain coating apparatus having a planar deflector surface and method for using the same
5,939,242	08/17/99	08/757,391	11/27/96	Positive Photoresist with an alkoxyalkyl ester group-containing (co)polymer and carboxyl-group containing (co)polymer
5,942,371	08/24/99	08/714,633	09/13/96	Aqueous acrylic photopolymerisable compositions
5,955,551	09/21/99	08/907,285	08/06/97	Polyglycidyl ethers of secondary alcohols, their preparation, and curable compositions containing them
5,994,432	11/30/99	07/727,539	07/09/91	Storage-stable/clear solutions of poly(imideamides)
5,994,475	11/30/99	08/886,308	07/01/97	Reaction products of amine and a carboxyl functional microgel
6,001,428	12/14/99	08/630,738	04/10/96	Solid epoxy resin compositions crosslinkable with UV rays
6,001,902	12/14/99	09/048,821	03/26/98	Wollastonite-containing curable epoxy resin mixture
6,029,944	02/29/00	08/894,451	02/24/96	Casting device and an adapter for a casting device
6,030,713	02/29/00	08/184,537	11/02/98	Electrical or Electronic Components Encapsulated with Liquid Epoxy Resins Containing a Mixture of Wollastonite and Calcite Fillers
6,037,392	03/14/00	08/755,382	11/21/96	Core/shell particles, and curable epoxy resin composition
6,045,972	04/04/00	09/320,919	05/27/99	Coating method using aqueous photopolymerizable compositions
6,048,946	04/11/00	09/137,371	08/20/98	Hydrophobic epoxy resin systems
6,054,536	04/25/00	09/124,139	07/29/98	Epoxy resin compositions
6,066,435	05/23/00	09/075,638	05/11/98	Liquid photosensitive composition
6,090,891	07/18/00	09/075,639	05/11/98	Carboxyl-containing polymer(s) with (2-oxo-1,3-dioxolan-4-yl)methyl groups-containing compound(s)
6,093,493	07/25/00	09/100,003	06/17/98	Method for the coating or encapsulation of fluidizable substrates
6,103,157	08/15/00	09/100,005	06/17/98	Process for impregnating electrical coils, and selected epoxy resin composition for carrying out the impregnation
6,103,825	08/15/00	09/070,662	04/30/98	Epoxy resin pre-advanced with carboxyl-containing polyester and advanced with bisphenol
6,107,451	08/22/00	09/177,141	10/21/98	Hardener for anhydride group-containing polymers
6,111,015	08/29/00	08/391,329	02/21/95	Core/shell polymer toughener suspended in epoxy resin
6,112,885	09/05/00	09/035,310	03/05/98	Transport apparatus for thin, board-shaped substrates
6,117,932	09/12/00	09/019,636	02/06/98	Powder coating composition
6,132,641	10/17/00	09/077,484	05/29/98	Composition and support material comprising poly(9,9'-spiro-bisfluorenes)
6,136,922	10/24/00	08/690,373	07/26/96	Composition of carboxyl-containing poly(meth)acrylate, carboxyl-terminated polyester and epoxy resin

Patent	Granted	Application	Filed	Title
6,165,558	12/26/00	09/101,789	07/16/98	Storage-stable moulding powder based on epoxy resins
6,169,158	01/02/01	09/298,573	04/23/99	Polyglycidyl compounds
6,174,985	01/16/01	09/230,410	01/25/99	Epoxy resins with n-esters substituted imidazoles
6,180,009	01/30/01	09/101,095	02/23/98	Method of filtering the organic solutions arising in the production of circuit boards
6,180,693	01/30/01	09/390,122	09/03/99	Core/shell particles, and curable epoxy resin compositions comprising same
6,194,490	02/27/01	09/253,162	02/19/99	Curable composition comprising epoxidised natural oils
6,197,849	03/06/01	09/248,649	02/11/99	Organophilic phyllosilicates
6,197,861	03/06/01	09/230,395	01/27/99	Stabilisation of paints with spiroindane derivatives
6,242,638	06/05/01	09/267,585	03/12/99	Cyanate esters having flame resistant properties (CIP filed 06/26/00 - 6,365,671)
6,258,919	07/10/01	09/142,269	09/03/98	Curable epoxy resin compositions containing water-processable polyamide hardeners
6,262,148	07/17/01	09/334,085	06/16/99	Novel phenalkamine curing agents and epoxy resin compositions containing the same
6,265,487	07/24/01	09/016,619	01/30/98	Powder coating of carboxyl-containing poly(meth) acrylic resin and trans(cis)diglycidyl 1,4-
6,271,463	08/07/01	09/327,859	06/18/99	Use of expandable epoxy systems for barrier materials in high voltage liquid-filled transformers
6,274,673	08/14/01	09/376,797	08/18/99	Powder coating composition of epoxy resin mixture and carboxyl-containing
6,277,929	08/21/01	09/380,449	03/07/97	Polymerizable Unsaturated Compounds, Curable Resin Compositions Containing the same, and Products of Curing thereof
6,350,825	02/26/02	09/605,193	06/28/00	Reacting Diglycidyl, Bisphenol and monophenol with Catalyst and Mixing with Polyglycidyl
6,365,671	04/02/02	09/603,504	06/26/00	Compositions cyanate ester and aromatic compounds having improved heat release properties
6,380,445	04/30/02	09/567,348	05/09/00	Poly(9,9'-spirobis(fluorenes), their production and their use
6,399,277	06/04/02	09/214,053	12/28/98	Photopolymerizable thermosetting resin composition
6,417,316	07/09/02	09/421,166	10/19/99	Curable epoxy resin compositions
6,433,084	08/13/02	09/298,572	04/23/99	Powder coating
6,437,045	08/20/02	09/697,331	10/25/00	Powder coating of carboxyl polyester or (poly) methacrylate and cycloaliphatic polyepoxide
6,455,662	09/24/02	09/728,991	12/4/00	Curable mixtures based on epoxy resins comprising imidazoles
6,458,993	10/01/02	09/773,305	01/31/01	Cyanate esters having flame resistant properties
6,465,601	10/15/02	09/787,165	06/15/01	Accelerators for hardenable systems
6,479,596	11/12/02	08/652,394	05/23/96	Epoxy acrylates
6,489,405	12/03/02	08/573,767	12/18/95	Epoxy resin formulation containing epoxy group-terminated polyesters
6,517,895	02/11/03	09/719,803	03/12/01	Method of coating printed circuit boards or similar substrates
6,528,594	03/04/03	09/743,501	01/10/01	Flowable granulates

270

181

Patent	Granted	Application	Filed	Title
6,555,601	04/29/03	09/465,866	12/16/99	Process for impregnating electrical coils, and selected epoxy composition for carrying out the impregnation
6,559,277	05/06/03	10/096,926	03/14/02	Poly(9,9'-spirobis(fluorenes), their production and their use
6,562,410	05/13/03	09/743,378	01/08/01	Heat curable epoxy compositions
6,562,884	05/13/03	09/936,710	09/14/01	Epoxy resin compositions having a long shelf life
6,579,566	06/17/03	08/999,803	05/20/97	One-component epoxy resin system for trickle impregnation and hot dip rolling

D:\Documents and Settings\konrath.WINSTON\Local Settings\Temporary Internet Files\OLK33\Vanico Inc. IP Grant(v1)\_1.DOC

Vantro A&amp;T

All patents are encumbered with security interests.

# PATENT APPLICATIONS

<u>Patent Number</u>	<u>Date Issued</u>	<u>Title</u>
<u>Application</u>	<u>Filed</u>	<u>Title</u>
09/418,609	10/15/99	Method for filling and reinforcing honeycomb sandwich panels
09/703,787	11/01/00	Casting resin and process for the fabrication of resin molds
09/762,908	02/12/01	Pack for two-component product
09/762,909	02/12/01	Pack for two-component product and method of making it
09/762,910	02/12/01	Container and packaging method
09/776,656	02/05/01	Liquid, radiation-curable composition, especially for stereolithography
09/868,289	06/15/01	Thermosetting poly urethane/urea-forming compositions
09/953,250	09/17/01	Photosensitive diacrylate and dimethacrylate compositions
09/986,815	11/13/01	Amine-modified epoxy resin reacted in presence of latent hardener
10/002,181	12/05/01	Method of treating an aluminum surface
10/018,662	12/12/01	Process for the preparation of reaction products of cycloaliphatic epoxides with multifunctional hydroxy compounds
10/031,134	01/14/02	Filler mixtures
10/069,164	02/20/02	Bonding of concrete parts
10/088,564	03/15/02	UV-curable compositions
10/125,508	04/19/02	Photocurable compositions containing reactive polysiloxane particles
10/143,907	05/14/02	Liquid, radiation-curable composition, especially for producing cured articles by stereolithography having high heat deflection temperatures
10/162,436	06/13/02	Liquid radiation-curable composition, especially for producing flexible cured articles by stereolithography
10/182,412	07/29/02	Epoxy resin composition
10/225,830	08/21/02	Use of amino resins and catalyzing redox pairs in three dimensional printing applications
10/258,204	10/18/02	Coherent insert
10/283,233	10/30/02	Photocurable compositions with phosphite viscosity stabilizers
10/332,597	01/10/03	High Functional polymers
10/380,392	03/11/03	Seamless model and method of making a seamless model
10/399,444	04/15/03	Three-dimensional structured printing
10/416,101	04/25/03	High functional polymers

## U.S. PATENTS ISSUED

Patent	Issued	Application	Filed	Title
4,476,292	10/09/84	06/524,823	01/30/84	Castable polyurethane systems
4,540,750	09/10/85	06/653,417	09/24/84	Diethyl toluene diamine hardener systems
4,659,779	04/21/87	06/847,371	04/02/86	Solid solution of amine and polymerized phenol as epoxy resin cure accelerator
4,701,378	10/20/87	06/847,365	04/02/86	Bonding process using curable epoxide resin adhesive
4,713,432	12/15/87	07/002,358	01/12/87	Solid solution of amine and polymerized phenol
4,734,332	03/29/88	07/002,355	01/12/87	Method for effecting adhesion using laminates from epoxy resins
4,866,133	09/12/89	07/095,725	09/14/87	Solid solutions of polymeric phenols and polyamines as epoxy curing agents
4,916,173	04/10/90	07/190,796	05/06/88	Polyurethane syntactic foam modeling stock
4,920,182	04/24/90	07/279,884	12/05/88	Epoxy resin compositions containing polyester flexibilizer and metallocene complex initiator
4,933,392	06/12/90	07/376,796	07/07/89	Curable epoxide resin compositions
4,952,645	08/28/90	07/287,581	12/16/88	Epoxide resins containing polyesters based on polyalkylene glycols
4,963,636	10/16/90	07/479,223	02/12/90	Adhesion promoters
4,977,214	12/11/90	07/420,193	10/12/89	Curable epoxide resin compositions
4,997,951	03/05/91	07/490,815	03/08/90	Imidazoline compounds
5,021,513	06/04/91	07/593,720	10/04/90	Curable epoxide resin compositions
5,030,698	07/09/91	07/471,574	01/29/90	Composition of epoxy resin, butadiene-acrylonitrile copolymer and segmented copolyester, copolyamide or copolyesteramide
5,140,069	08/18/92	07/481,424	02/16/90	Tough Epoxy casting resins based on polybutadiene-polyoxalkyleneglycol copolymers
5,152,862	10/06/92	07/628,735	12/17/90	Imidazoline compounds
5,171,769	12/15/92	07/684,550	04/11/91	Filled thixotropic resin compositions composing epoxy resin curing agent, sugar-aldehyde and filler
5,198,065	03/30/93	07/660,510	02/25/91	Method for bonding steel to wood using an epoxy primer and adhesive
5,202,390	04/13/93	07/766,883	09/26/91	Butadiene/polar comonomer copolymer and aromatic reactive end group-containing prepolymer
5,230,986	07/27/93	07/649,100	02/01/91	Photosensitive Compositions containing benzospiropyrans and uses thereof
5,237,036	08/17/93	07/875,880	04/29/92	Polyol components for the production of polyurethane mouldings
5,274,054	12/28/93	07/861,705	04/01/92	Adducts of epoxides and amines
5,278,257	01/11/94	07/823,513	01/21/92	Phenol-terminated polyurethane or polyurea(urethane) with epoxy resin
5,340,900	08/23/94	08/095,136	07/22/93	Hardener composition for the production of polyurethane shaped articles
5,342,867	08/30/94	08/129,703	09/30/93	Adhesion Promoters
5,437,964	08/01/95	08/201,146	02/24/94	Stereolithography using vinyl ether-epoxide polymers
5,449,704	09/12/95	08/166,763	12/14/93	Photopolymerisable liquid compositions comprising resorcinol and aminotriazine resins
5,451,345	09/19/95	08/129,701	09/30/93	Chemical composition
5,451,616	09/19/95	08/284,729	08/02/94	Photopolymerisable liquid compositions for forming heat curable solid film adhesives
5,461,088	10/24/95	08/292,654	08/18/94	Liquid radiation-curable formulation, in particular for use in stereolithography
5,468,886	11/21/95	08/169,938	12/20/93	(Cyclo)aliphatic epoxy compounds
5,470,689	11/28/95	08/200,982	02/24/94	Polymerisable compositions containing tetraacrylates
5,476,748	12/19/95	08/166,767	12/14/93	Photosensitive composition
5,476,749	12/19/95	08/303,563	09/09/94	Photosensitive compositions based on acrylates
5,487,966	01/30/96	08/231,953	04/21/94	Photosensitive composition

Patent	Issued	Application	Filed	Title
5,494,618	02/27/96	08/266,829	06/27/94	Increasing the useful range of cationic photoinitiators in stereolithography
5,495,029	02/27/96	08/286,061	08/04/94	(Meth)acrylates containing urethane groups
5,506,087	04/09/96	08/731,353	04/20/94	Stereolithography using vinyl ether based polymers
5,510,226	04/23/96	08/230,444	04/20/94	Stereolithography using vinyl ether-epoxide polymers
5,514,519	05/07/96	08/224,503	04/07/94	Production of three-dimensional objects
5,525,400	06/11/96	07/783,701	05/10/91	Information carrier and process for the production thereof
5,573,889	11/12/96	08/432,237	05/09/95	Process for adjusting the sensitivity to radiation of photopolymerizable compositions
5,599,651	02/04/97	08/517,888	08/21/95	(Cyclo)aliphatic epoxy compounds
5,605,941	02/25/97	08/304,464	09/12/94	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable compositions
5,620,553	04/15/97	08/443,949	05/28/95	Photopolymerizable liquid compositions of bonding friction material to metal
5,629,133	05/13/97	08/449,172	05/24/95	Liquid radiation-curable formulation in particular for use in stereolithography
5,645,973	07/08/97	08/592,899	01/29/96	Process for adjusting the sensitivity to radiation of photopolymerizable compositions
5,658,712	08/19/97	08/552,643	11/03/95	(Meth)acrylates containing urethane groups
5,677,107	10/14/97	08/643,790	05/06/96	Production of three-dimensional objects
5,705,116	01/06/98	08/463,086	06/21/95	Increasing the useful range of cationic photoinitiators in stereolithography
5,705,316	01/06/98	08/555,821	11/09/95	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable composition
5,708,120	01/13/98	08/586,840	01/25/96	Gelled reactive resin composition
5,783,358	07/21/98	08/611,914	03/06/96	Stabilization of liquid radiation-curable compositions against undesired premature polymerization
5,783,615	07/21/98	08/634,404	04/16/97	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable compositions
5,783,712	07/21/98	08/689,747	08/13/96	Vinyl ether compounds having additional functional groups other than vinyl ether groups and the use thereof in the formulation of curable compositions
5,859,096	01/12/99	08/820,822	03/19/97	Room temperature storage-stable, heat-curable, low CTE, one component epoxy resin tooling material
5,897,028	04/27/99	08/377,720	01/24/95	Two component adhesive dispensing unit
5,908,901	06/01/99	08/944,672	10/07/97	Gelled reactive resin compositions
5,942,182	08/24/99	08/999,527	09/19/97	One component room temperature stable epoxy resin compositions for VARTM/RTM systems
5,942,370	08/24/99	08/893,835	07/11/97	Production of three-dimensional objects
5,972,563	10/26/99	08/901,303	07/28/97	Liquid radiation-curable composition, especially for stereolithography
5,989,475	11/23/99	09/091,452	06/18/98	Process for the stereolithographic preparation of three-dimensional objects using a radiation-curable liquid formulation which contains fillers
6,043,323	03/28/00	08/342,955	11/21/94	Diarylates and dimethacrylates
6,057,389	05/02/00	09/022,754	02/12/98	Curable Compositions
6,060,544	05/09/00	09/040,989	03/18/98	Chemical compositions
6,077,886	06/20/00	08/947,997	10/09/97	Curable Resin Compositions
6,086,795	07/11/00	09/181,163	10/28/98	Adhesive Compositions
6,099,787	08/08/00	09/115,086	07/14/98	Process for making three-dimensional articles by stereolithography
6,100,007	08/08/00	09/055,832	04/06/98	Liquid, radiation-curable composition, especially for producing cured articles by stereolithography having high heat deflection temperatures

380