

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Shell Oil Company	07/29/2010
RECEIVING PARTY DATA	
Name:	Kraton Polymers U.S. LLC
Street Address:	15710 John F. Kennedy Blvd.
Internal Address:	Suite 300
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State/Country:	TEXAS
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5886107
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ATTORNEY DOCKET NUMBER:	TS0517/US
NAME OF SUBMITTER:	Michael A. Masse/
<p>Total Attachments: 6</p> <p>source=TS0517_Assignment_080610#page1.tif</p> <p>source=TS0517_Assignment_080610#page2.tif</p> <p>source=TS0517_Assignment_080610#page3.tif</p>	

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PATENT ASSIGNMENT

PARTIES:

Shell Oil Company, a corporation of the State of Delaware having an office at 910 Louisiana Street, Houston, Texas 77002 ("Assignor")

and

KRATON Polymers U.S. LLC, a corporation of the State of Delaware having an office at 15710 John F. Kennedy Blvd, Suite 300, Houston, Texas 77032 ("Assignee")

RECITALS:

1. The Assignor is the registered proprietor of U.S. Patent No. 5,886,107, short particulars of which are set out in Appendix 1 (such patent being referred to herein as "the Patent").
2. The Assignor has agreed to assign its rights in the Patent to Assignee and Assignee has agreed to grant back to Assignor certain licenses under the Patent.

NOW THEREFORE IT IS HEREBY AGREED AS FOLLOWS:

1. For good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor hereby assigns its rights in the Patent to the Assignee, and Assignee hereby grants back to Assignor the following licenses:
 - (a) an irrevocable, transferable, fully paid-up, world-wide, non-exclusive license, with all rights to grant sub-licenses, to practice outside the Elastomers Field under the Patent and to conduct research and development in support thereof, and
 - (b) an irrevocable, fully paid-up, perpetual, non-exclusive license in the Elastomers Field under the Patent with the right to grant sub-licenses to:
 - (i) blend Products with epoxy resins and/or polyesters and use and sell such blends, and conduct research and development in support of such activities;
 - (ii) manufacture, use and sell refinery products including fuels, lubricants, bituminous compositions and chemical feedstocks, and conduct research and development in support thereof, and
 - (iii) use and sell Products in connection with operations for the exploration for and production of oil, gas and other minerals, and conduct research and development in support thereof,

wherein the definitions of Products and Elastomers Field are set out in Appendix 2 attached hereto.

2. The Assignee shall be responsible for, and shall bear the costs of, all acts necessary or desirable to record the assignment and/or for further assuring the title of the Assignee to the Patent and the inventions claimed therein, including the preparation and filing of any documents, declarations or oaths necessary or required by law, and at the request of Assignee, the Assignor agrees to co-operate with Assignee in the recordal of such assignment by executing required documents in a form acceptable to Assignor.
3. This assignment shall be deemed effective as of July 19, 2010.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed in duplicate original by their duly authorized representatives.

SHELL OIL COMPANY

By: William C. Loney

Title: Sr. Vice President and General Counsel

Date: 7/29/10

Witness: Deborah Bohr

Witness: [Signature]

KRATON POLYMERS U.S. LLC

By: Michael Muse

Title: Intellectual Prop. Manager

Date: 5 August 2010

Witness: [Signature]

Witness: Wraig A. Stinson

APPENDIX 1

Country	Case Number	Patent Number	Filing Date	Title
United States	TS 0517	5,886,107	May 28, 1997	Process for Hydrogenation of Conjugated Diene Polymers and Catalyst Compositions Suitable for Use Therein

APPENDIX 2

"Products" means:

- (a) block copolymers having at least one styrene polymer block and at least one isoprene and/or butadiene polymer block (wherein any one of these blocks may be random or tapered blocks of styrene, isoprene and/or butadiene), having a total polystyrene content in the range of from 2% by weight to less than 90% by weight and a total number average molecular weight of at least 35,000 g/mol, or in the case of radial or star polymers an arm number average molecular weight of at least 20,000 g/mol, as determined by gel permeation chromatography using polystyrene calibration standards, which block copolymers have been prepared by anionic polymerization;
- (b) hydrogenated block copolymers prepared by at least partly hydrogenating the isoprene and/or butadiene polymer block(s) of the block copolymers of (a);
- (c) functionalized hydrogenated block copolymers prepared by grafting at least 0.1% by weight of a dicarboxylic acid compound, or a derivative thereof, onto a hydrogenated block copolymer of (b) or an unhydrogenated block copolymer of (a);
- (d) non-thermoplastic polyisoprene rubber, prepared by anionic polymerization of isoprene;
- (e) blends of copolymers of (a), (b), or (c) with up to 50% by weight of a plasticizer;
- (f) polymers of isoprene and/or butadiene, and optionally styrene, having a total number average molecular weight of less than 35,000 g/mol, or in the case of radial or star polymers an arm number average molecular weight of more than 1,000 g/mol and less than 20,000 g/mol, as determined by gel permeation chromatography using polystyrene calibration standards, which polymers have been prepared by anionic polymerization;
- (g) hydrogenated polymers prepared by at least partly hydrogenating the butadiene and/or isoprene in the polymers of (f);
- (h) optionally hydrogenated polymers of (f) containing terminal functionality (including, but not limited to, hydroxy, carboxy, or amino groups or acrylated or glycidated derivatives thereof, fluorine, or ethylene oxide groups) and/or containing epoxy groups resulting from epoxidation of part or all of the olefinic unsaturation present in the polymers, or containing acid derivatives of such epoxy groups;
- (i) star (i) polyisoprene homopolymers and (ii) block copolymers with polyisoprene blocks and polybutadiene blocks, where (i) or (ii) may contain up to 10% by weight of polystyrene and have a total number average molecular weight of at least 20,000 g/mol, as determined by gel permeation chromatography using polystyrene calibration standards, which homo- and block copolymers have been prepared by anionic polymerization, and which star homopolymers and block copolymers have been hydrogenated;
- (j) compounds of (a), (b), and/or (c) with polyolefins, polyphenylene oxide, polycarbonate, polybutylene terephthalate, polystyrene, or ethylene vinylacetate and non-polymeric components including tackifiers, fillers, and oil, wherein (a), (b) and (c) comprise at least 40% by weight of the total polymer in the compound and the Shore D hardness of the compound is no more than 60;
- (k) polyurethanes based on polyols falling within the definition of (h);
- (l) randomly polymerized styrene butadiene rubbers having a glass transition temperature of less than 0°C, wherein any homopolystyrene blocks have a molecular weight of less than 3,000 g/mol, which styrene butadiene rubbers are manufactured by anionic polymerization;
- (m) block copolymers having at least one isoprene block and at least one butadiene block having a 1,2 vinyl content of less than 15%, or block copolymers having at least one butadiene block having a 1,2 vinyl content of less than 15% and a butadiene block

having a 1,2 vinyl content of more than 25%, and a total number average molecular weight of at least 35,000 g/mol, or in the case of radial or star polymers an arm number average molecular weight of at least 20,000 g/mol, as determined by gel permeation chromatography using polystyrene calibration standards, which block copolymers have been prepared by anionic polymerization and which block copolymers have been hydrogenated;

- (n) block copolymers having at least one polysiloxane block and at least one other block which may be a polystyrene block or a polyethylene block which block copolymers have been prepared by anionic polymerization;
- (o) any polymer, polymer-containing compound or blend corresponding to (a) through (n), wherein the polymer has been prepared by anionic polymerization from other conjugated diene monomers and/or other vinyl aromatic hydrocarbon monomers and/or containing other functional groups;
- (p) block copolymers having at least one conjugated diene block and optionally a vinyl aromatic hydrocarbon block and at least one block of another anionically polymerizable monomer such as acrylic monomers or ethylene which block copolymers have been prepared by anionic polymerization;
- (q) block copolymers (a) through (p), wherein the polystyrene block has been hydrogenated;
- (r) latex made from (a), (b) or (d); and
- (s) polyisoprene as described in (d), but made with Ziegler-Natta catalysts.

"Elastomers Field" means the manufacture, use or sale of Products, including research and development in support thereof, provided, however, in respect of any and all Products, Elastomers Field excludes:

- (a) use and/or sale of (and research and development in support thereof for) Additives and intermediates ultimately intended for use in manufacturing Additives,
- (b) manufacture of (and research and development in support thereof for) Additives and intermediates ultimately intended for use in manufacturing Additives, for any purpose other than sale to designees of SIRM ("Shell Internationale Research Maatschappij B.V.") or SOC ("Shell Oil Company") or its designees;
- (c) preparation, use and sale of blends of any of Products, in a total amount up to 25 percent by weight basis the total blend, with linear CO/olefin polymers in which CO/olefin polymers monomer units originating from carbon monoxide alternate with olefinic monomer units originating from ethene and optionally one or more further linear aliphatic alpha-olefins of up to 20 carbon atoms, which CO/olefin polymers have a crystalline melting point of at least 150C and a limiting viscosity number of at least 0.6 dl/g, measured in m-cresol at 60C, and research and development in support of such preparation, use or sale of such blends;
- (d) use and/or sale of Products (and research and development in support thereof) as components of bituminous compositions other than compositions developed by the Elastomers Business based on specific Products or derivatives of Products; provided, however, that this exclusion (d) does not apply to the use and/or sale of Products (and research and development in support thereof) as components of any bituminous compositions containing disulphide compatibilizing agents; and
- (e) manufacture, use and/or sale of (and research and development in support thereof for) particles of styrene or alkyl-substituted styrene homopolymers and particles of copolymers containing at least 90 percent by weight styrene or alkyl-substituted styrene and up to 10 percent by weight of another vinyl monomer, which particles are prepared by adiabatic anionic polymerization in an extruder with the aid of alkali metal initiators.

"Additives" means components and compositions intended for use in any one or more of the following applications:

- (a) formulating finished lubricants or lubricant additive packages of any kind;
- (b) formulating finished fuels or fuel additive packages of any kind;
- (c) formulating hydraulic fluids;
- (d) formulating power transmission fluids;
- (e) dewaxing lube oil; and
- (f) transporting crude oil.