

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
PETRO-CANADA	08/01/2009
<b>RECEIVING PARTY DATA</b>	
Name:	SUNCOR ENERGY INC.
Street Address:	P.O. Box 38, 112 - 4th Avenue S.W.
City:	Calgary, Alberta
State/Country:	CANADA
Postal Code:	T2P 2V5
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	11852052
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(415)576-0300
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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ATTORNEY DOCKET NUMBER:	028040-000910US/ACK
NAME OF SUBMITTER:	Annie Estenzo
<b>Total Attachments: 7</b> source=Assignment from Petro-Canada to Suncor Energy (various matters)#page1.tif source=Assignment from Petro-Canada to Suncor Energy (various matters)#page2.tif source=Assignment from Petro-Canada to Suncor Energy (various matters)#page3.tif source=Assignment from Petro-Canada to Suncor Energy (various matters)#page4.tif source=Assignment from Petro-Canada to Suncor Energy (various matters)#page5.tif	

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**PATENT**  
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source=Assignment from Petro-Canada to Suncor Energy (various matters)#page7.tif

## ASSIGNMENT AND TRANSFER OF ENTIRE RIGHT

THIS PATENT ASSIGNMENT (the "Assignment") is effective August 1, 2009 (the "Effective Date"), by and between:

**PETRO-CANADA**, a Canadian Corporation (the "Assignor")  
at P.O. Box 2844, 150-6<sup>th</sup> Avenue S.W., Calgary, Alberta T2P 3E3

AND

**SUNCOR ENERGY INC.**, a Canadian Corporation ("Amalco" and the "Assignee")  
at P.O. Box 38, 112 - 4 Avenue S.W., Calgary, Alberta T2P 2V5

- A. The Assignor and Suncor Energy Inc. ("Suncor") a Canadian Corporation, entered into an arrangement agreement dated March 22, 2009 (the "Arrangement Agreement"). Pursuant to the terms of the Arrangement Agreement and the *Canada Business Corporations Act*, R.S.C. 1985, c. C-44, as amended, the Parties agreed that, at the Effective Date, the Assignor and Suncor would amalgamate and continue as Amalco.
- B. The Assignor is owner or co-owner of the patents and patent applications, designs and design patents set forth in **Schedule A** attached hereto (the "Patents"), and of any and all inventions disclosed in said Patents (the "Inventions"). The Assignor and Assignee are aware that some Patents and Inventions may have been omitted through inadvertence and thus the Patents and Inventions includes any other patents, patent applications, designs and design patents and inventions owned by the Assignor and which may not be expressly listed in Schedule A including family members of listed Patents and Inventions and other Patents and Inventions not otherwise or previously identified in Schedule A;
- C. As a result of the amalgamation, the entirety of the Assignor's right, title and interest in the Patents and Inventions shall be sold, transferred and assigned to the Amalco as Assignee.

NOW THEREFORE, for the consideration set forth in the Arrangement Agreement, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

- 1. The Assignor does hereby sell, assign and transfer to Assignee the entire right, title and interest in, to and under:
  - i. the Patents and all continuations, divisionals and related children thereof, all patents, registrations and other rights granted thereon in Canada or any other country and all reissues, re-examinations and extensions thereof;
  - ii. the Inventions and all patent applications describing or claiming the Inventions in Canada or any other country, including all applications filed pursuant to the Patent Cooperation Treaty, and including all rights of priority under the Paris Convention, and any and all patents, registrations and other rights granted thereon in Canada or any other country and all reissues, re-examinations and extensions thereof; and
  - iii. any other Patents or Inventions to which the Assignor has a right, title and interest, and which have not already been identified in Schedule A, so that the Assignee receives the same entirety of the rights and privileges enjoyed by the Assignor, or which would have been enjoyed by the Assignor had the Assignor not hereby assigned.

**ASSIGNMENT AND TRANSFER OF ENTIRE RIGHT**

2. The Assignor shall do such acts and execute such papers, as from time to time may be necessary or useful to secure for said Assignee the full benefits of said Patents or Inventions, or otherwise to carry into full force and effect the text and intent of this assignment.

Executed by the Assignor in the City of Calgary, Alberta, CANADA on the 30<sup>th</sup> of July, 2009:

**PETRO-CANADA**

By: \_\_\_\_\_

Name: Hugh L. Hooker

Title: Chief Compliance Officer  
Corporate Secretary  
Associate General Counsel

DECLARED BEFORE ME at the City )  
of Calgary, in the Province of Alberta, )  
this 30<sup>th</sup> day of July, 2009. )  
)  
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\_\_\_\_\_  
Jamiel L. Gagner  
A Notary Public in and for the  
Province of Alberta

\_\_\_\_\_  
HUGH L. HOOKER

Executed by the Amalco and Assignee in the City of Calgary, Alberta CANADA on 4 of August, 2009:

**SEPT.**

**SUNCOR ENERGY INC.**

By: \_\_\_\_\_

Name: PAUL MATTHEWS

Title: Director, Legal Affairs, IP

Suncor Energy Services Inc. on behalf of  
Suncor Energy Inc.

DECLARED BEFORE ME at the City )  
of Calgary, in the Province of Alberta, )  
this 4 day of August, 2009. )  
**SEPT**  
)  
)  
)  
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)

\_\_\_\_\_  
Shawn P. Poirier  
Barrister & Solicitor  
1400, 350 - 7th Avenue SW  
Calgary, Alberta T2P 3N9

\_\_\_\_\_  
PAUL MATTHEWS

SCHEDULE A - ATTACHED HERETO

# ASSIGNMENT AND TRANSFER OF ENTIRE RIGHT

## SCHEDULE A – PATENTS AND INVENTIONS

Country	Patent/Publication No.	Title
<b>AT - AUSTRIA</b>		
AT	<u>AT330990T</u>	Weissoel schmiermittel bei der extrusion
<b>AU - AUSTRALIA</b>		
AU	<u>AU2001280838B2</u>	White oil extrusion lubricant
AU	<u>AU2002240350B2</u>	Emulsifiers for highly saturated hydroisomerized fluids and methods for minimizing pest infestation in agriculture
AU	<u>AU2007308682A1</u>	Herbicial composition with increased herbicial efficacy
<b>BR - BRAZIL</b>		
BR	<u>BR200112767A</u>	White oil extrusion lubricant
BR	<u>BR203937A</u>	Metodo e aparelho para estimular uma forma o furo abaixo
BR	<u>BR9612270A</u>	Craqueamento hidráulico de hidrocarbonetos pesados com controle de aromáticos polares.
BR	<u>BR9708193A</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives
<b>CA - CANADA</b>		
CA	<u>CA2000984C</u>	Mixer circuit for oil sand
CA	<u>CA2015784C</u>	Low temperature version of the hot water extraction process for oil sand
CA	<u>CA2029795C</u>	Pipeline conditioning process for mined oil-sand
CA	<u>CA2043469C</u>	Method for producing superior quality paving asphalt and product prepared therefrom
CA	<u>CA2093934C</u>	In situ primary froth quality measurements
CA	<u>CA2098622A1</u>	Process for reducing sludge accumulation in the hot water extraction process for oil sands
CA	<u>CA2104526C</u>	Oil sand extraction process with in-line middlings aeration and recycle
CA	<u>CA2128481C</u>	Well test imaging
CA	<u>CA2143396A1</u>	Increasing settling rate of fine solids in oil sand tailings
CA	<u>CA2149737C</u>	Solvent process for bitumen separation from oil sands froth
CA	<u>CA2159857C</u>	Hydrocarbon processing apparatus and method
CA	<u>CA2183113A1</u>	Well test imaging
CA	<u>CA2195604A1</u>	Slurrying oil sand for hydrotransport in a pipeline
CA	<u>CA2217300A1</u>	Solvent process for bitumen separation from oil sands froth
CA	<u>CA2217623A1</u>	Cold dense slurrying process for extracting bitumen from oil sand
CA	<u>CA2224615C</u>	Nozzle for atomizing liquid in two phase flow
CA	<u>CA2227667C</u>	Agitated slurry pump box for oil sand hydrotransport
CA	<u>CA2240376C</u>	Hydrocracking of heavy hydrocarbon oils with conversion facilitated by control of polar aromatics
CA	<u>CA2246841C</u>	Cycloseparator for removal of coarse solids from conditioned oil sand slurries
CA	<u>CA2248342C</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives

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Country	Patent/Publication No.	Title
CA	<u>CA2254048C</u>	Process for pumping bitumen froth through a pipeline
CA	<u>CA2263858C</u>	Mechanical deaeration of bituminous froth
CA	<u>CA2269710C</u>	Dual pump gravity separation system
CA	<u>CA2272035C</u>	Process for recovery of hydrocarbon diluent from tailings
CA	<u>CA2272045C</u>	Method for recovery of hydrocarbon diluent from tailings
CA	<u>CA2350001C</u>	Staged settling process for removing water and solids from oil sand extraction froth
CA	<u>CA2350180C</u>	Process for reducing sulphur emissions from a fluidized bed coke burner
CA	<u>CA2368788A1</u>	Hydrocracking of heavy hydrocarbon oils with improved gas and liquid distribution
CA	<u>CA2404798C</u>	Nozzle/mixer assembly
CA	<u>CA2405391C</u>	Method for acid stimulating a subterranean well formation for improving hydrocarbon production
CA	<u>CA2416268A1</u>	White oil extrusion lubricant
CA	<u>CA2420034C</u>	Jet pump system for forming an aqueous oil sand slurry
CA	<u>CA2434848C</u>	Technique for emulsifying highly saturated hydroisomerized fluids
CA	<u>CA2445645C</u>	Apparatus and process for coalescing bitumen in an oil sand slurry
CA	<u>CA2453697C</u>	At the mine site oil sands processing
CA	<u>CA2455487C</u>	Gas lift apparatus for a well
CA	<u>CA2461237C</u>	Utilizing heat at a steam assisted gravity drainage oil recovery operation
CA	<u>CA2480122A1</u>	Compact slurry preparation system for oil sand
CA	<u>CA2498073A1</u>	Lightweight wear-resistant weld overlay
CA	<u>CA2506398C</u>	Improved low energy process for extraction of bitumen from oil sand
CA	<u>CA2507482A1</u>	Spray oil and method of use thereof for controlling turfgrass pests
CA	<u>CA2520046A1</u>	Process for reducing the level of sulfur compounds from liquid hydrocarbon streams
CA	<u>CA2520821A1</u>	Relocatable oil sand slurry preparation system
CA	<u>CA2550623A1</u>	Relocatable countercurrent decantation system
CA	<u>CA2591437A1</u>	Heating system for outdoor conveyors in a carwash
CA	<u>CA2600740A1</u>	Discharge pressure actuated pump
CA	<u>CA2605092A1</u>	Herbicidal composition with increased herbicidal efficacy
<b>CN - CHINA</b>		
CN	<u>CN1042174A</u>	Hydrocracking of heavy oil in presence of ultrafine iron sulphate
CN	<u>CN1071370C</u>	Hydrocracking of heavy hydrocarbons with control of polar aromatics
CN	<u>CN1077591C</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size particulate additives
CN	<u>CN1280521C</u>	Device and method for acid exciting of underwell structure layer
<b>DE - GERMANY</b>		
DE	<u>DE60120992T2</u>	Weissoel schmiermittel bei der extrusion
DE	<u>DE60227224D1</u>	Stimulierung durch saurebehandlung mit schaumischung im

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Country	Patent/Publication No.	Title
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DE	<u>DE69106934T2</u>	Paving asphalt cement and its production.
DE	<u>DE69609355T2</u>	Hydrocracken von schweren kohlenwasserstoffoelen mit kontrolle von polare aromaten
DE	<u>DE69701088T2</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives
<b>DK - DENMARK</b>		
DK	<u>DK1298281T3</u>	Stimulering ved syrebehandling med en skumblanding i borehullet
DK	<u>DK1309652T3</u>	White oil extrusion lubricant
<b>EP - EUROPEAN PATENT</b>		
EP	<u>EP0888420A1</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives
EP	<u>EP0888420B1</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives
EP	<u>EP0912658A1</u>	Hydrocracking of heavy hydrocarbons with control of polar aromatics
EP	<u>EP0912658B1</u>	Hydrocracking of heavy hydrocarbons with control of polar aromatics
EP	<u>EP1298281A1</u>	Acid stimulating with downhole foam mixing
EP	<u>EP1298281B1</u>	Acid stimulating with downhole foam mixing
EP	<u>EP1309652B1</u>	White oil extrusion lubricant
<b>ES - SPAIN</b>		
ES	<u>ES2144847T3</u>	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives
ES	<u>ES2149512T3</u>	Hydrocracking of heavy hydrocarbon oils with conversion facilitated by recycle of both heavy gas oil and pitch
ES	<u>ES2267802T3</u>	White oil extrusion lubricant
<b>GB - UNITED KINGDOM</b>		
GB	<u>GB2281971B</u>	Well test imaging
<b>JP - JAPAN</b>		
JP	<u>JP02187495A</u>	Hydrocracking of heavy oil
JP	<u>JP2004505150T</u>	White oil extrusion lubricant
JP	<u>JP2004532189T</u>	Emulsifiers for highly saturated hydroisomerized fluids and methods for minimizing pest infestation in agriculture
JP	<u>JP4234495A</u>	Lubricating oil composition containing new combination of stabilizers
<b>MX - MEXICO</b>		
MX	<u>MXPA02009368A</u>	Method for acid stimulating a subterranean well formation for improving hydrocarbon production.
MX	<u>MXPA03000847A</u>	White oil extrusion lubricant
<b>NO - NORWAY</b>		
NO	<u>NO20024284D0</u>	Acid stimulating with downhole foam mixing
NO	<u>NO308683B1</u>	Well test imaging
NO	<u>NO943060A</u>	Well test imaging

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Country	Patent/Publication No.	Title
NO	NO943060D0	Well test imaging
<b>PT – PORTUGAL</b>		
PT	PT1309652E	Lubrificante de oleo branco para extrusao
<b>TR - TURKEY</b>		
TR	TR9801138T2	Hydrocracking of heavy hydrocarbon oils with conversion facilitated by recycle of both heavy gas oil and pitch
TR	TR9801830T2	Partikuellue katki maddelerinin partikuel bueyueklueguenuen kontrolue yoluyla agir hidrokarbon yaglarinin su ile islemden geçirilmesi.
<b>US – UNITED STATES OF AMERICA</b>		
US	US2004165960A1	Jet pump system for forming an aqueous oil sand slurry
US	US2005261379A1	Spray oil and method of use therefor for controlling turfgrass pests
US	US2006185773A1	Lightweight wear-resistant weld overlay
US	US2007068769A1	Relocatable oil sand slurry preparation system
US	US2007289911A1	Relocatable countercurrent decantation system
US	US2008063544A1	Discharge pressure actuated pump
US	US2008080990A1	Discharge pressure actuated pump
US	US2008085832A1	Herbicidal composition with increased herbicidal efficacy
US	US2008121254A1	Heating system for outdoor conveyors in a carwash
US	US2009008297A1	Compact slurry preparation system for oil sand
US	US5284509A	Method for producing superior quality paving asphalt and product prepared therefrom
US	US5548563A	Well test imaging
US	US5624642A	Hydrocarbon processing apparatus
US	US5695555A	Method for the production of improved paving asphalt and product prepared therefrom
US	US5755955A	Hydrocracking of heavy hydrocarbon oils with conversion facilitated by control of polar aromatics
US	US5787050A	Well test imaging
US	US5972202A	Hydrotreating of heavy hydrocarbon oils with control of particle size of particulate additives
US	US6003789A	Nozzle for atomizing liquid in two phase flow
US	US6004453A	Hydrocracking of heavy hydrocarbon oils with conversion facilitated by recycle of both heavy gas oil and pitch
US	US6196312B1	Dual pump gravity separation system
US	US6358403B1	Process for recovery of hydrocarbon from tailings
US	US6358404B1	Method for recovery of hydrocarbon diluent from tailing
US	US6391190B1	Mechanical deaeration of bituminous froth
US	US6410488B1	Drilling fluid
US	US6515031B2	Technique for emulsifying highly saturated hydroisomerized fluids
US	US6517706B1	Hydrocracking of heavy hydrocarbon oils with improved gas and liquid distribution
US	US6663931B2	White oil extrusion lubricant
US	US6673360B2	Technique for emulsifying highly saturated hydroisomerized fluids



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<b>Country</b>	<b>Patent/Publication No.</b>	<b>Title</b>
US	<u>US6719054</u>	Method for acid stimulating a subterranean well formation for improving hydrocarbon production
US	<u>US6719054B2</u>	Method for acid stimulating a subterranean well formation for improving hydrocarbon production
US	<u>US6790386B2</u>	Dielectric fluid
US	<u>US7025874B2</u>	Nozzle/mixer assembly
US	<u>US7048045B2</u>	Gas lift apparatus for a well
US	<u>US7431830B2</u>	Compact slurry preparation system for oil sand
US	<u>US7481318B2</u>	Apparatus and process for coalescing bitumen in an oil sand slurry
US	<u>USD382070S1</u>	Fuel pump station
US	<u>USD391646S1</u>	Service station canopy
US	<u>USD398850S1</u>	Ridge design for a bottle
US	<u>USD399750S1</u>	Combined bottle and cap
US	<u>USD402771S1</u>	Service station canopy
US	<u>USD417917S1</u>	Service station canopy
<b>ZA – SOUTH AFRICA</b>		
ZA	<u>ZA200300720A</u>	White oil extrusion lubricant.