



# **Electronic Publication of Patents Journal under The Patents (Amendments) Act, 2016**

Weekending:- 05-07-2019

Legal Publication Date:- 19-07-2019

Journal Code (190719)



**NEW APPLICATIONS FOR THE PATENTS**

The dates shown in the crescent brackets are the dates claimed under section 86 of the Patents Ordinance 2000.

01-07-2019		
467/2019	Maaz S/O Khalid Mahmood Okara – Pakistan Ishtiaq Mansha S/O. Muhammad Mansha Wah Cantt – Pakistan Waqar Ali S/O. Zulfiqar Ali Rawalpindi – Pakistan	“Dual engine car”
468/2019	Rabia Iqbal Awan Dr. Muhammad Nabeel Anwar Naeem Khan <b>NUST</b> Islamabad – Pakistan	“Design and testing stimulation based vibrators on Planter surface of foot”
469/2019	Huma Farooq Dr. Imran Hashmi <b>NUST</b> Islamabad – Pakistan	“Lambda cyhalothrin degrading microorganism”
470/2019	Muhammad Aftab Akram Ahsan Wajid Ali Shah Hamza ul Haq M. Adil Sandhu & Sohail Ahmad Siddiqui <b>NUST</b> Islamabad – Pakistan	“Titled ZnO nanostructure based toxic gas sensing”
471/2019	Dr. Muhammad Mohsin Mr. Zahid Hussain Faisalabad – Pakistan	“Sustainable, water, chemical and cost efficient textile bleach recycling”

<b>02-07-2019</b>		
472/2019	WASEEM AKHTAR MUFTI Karachi – Pakistan	“ClientNet Cluster System”
473/2019	WASEEM AKHTAR MUFTI Karachi – Pakistan	“Specification Model and Arithmetic Based Programming Language”
474/2019	ELI LILLY AND COMPANY USA (Priority 12-07-2018 US)	“SELECTIVE ESTROGEN RECEPTOR DEGRADERS”
475/2019	The Kitasato Institute, The Food Science Institute Foundation, Meiji Co., Ltd., Japan (Priority 03-07-2018 JP)	“ANTI-INFLUENZA VIRUS AGENT FOR SUPPRESSING AGGRAVATION OF INFLUENZA”
<b>03-07-2019</b>		
476/2019	Tonnjes ISI Patent Holding GmbH DE (Priority 11-07-2018 DE)	“REGISTRATION PLATE FOR A VEHICLE AND METHOD FOR PRODUCING A REGISTRATION PLATE FOR A VEHICLE”
477/2019	LES LABORATOIRES SERVIER FRANCE VERNALIS (R&D) Limited United Kingdom (Priority 05-07-2018 FR)	“NEW AMINO-PYRIMIDONYL DERIVATIVES, A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM”
478/2019	SICPA HOLDING SA Switzerland (Priority 10-09-2018 EP)	“PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES”

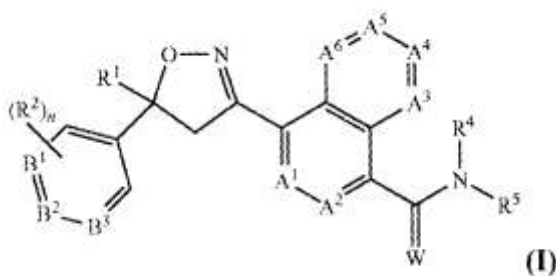
**APPLICATION ACCEPTED**

Notice is hereby given that the person interested in opposing the grant of Patents to any of the applications referred to below at any time within four months from the date of this Patents' journal may give notice at the Patent Office on the prescribed Form P-7 of the Patents Rules 18(1) of 2003.

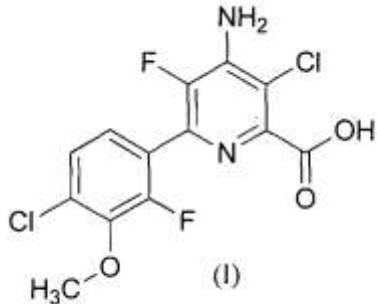
The six figures number shown in the right hand side are those given to applications on acceptance of the complete specification under which the specification will be printed and subsequent proceeding taken.

The figures shown within square brackets after the title of inventions indicate their classification index at acceptance.

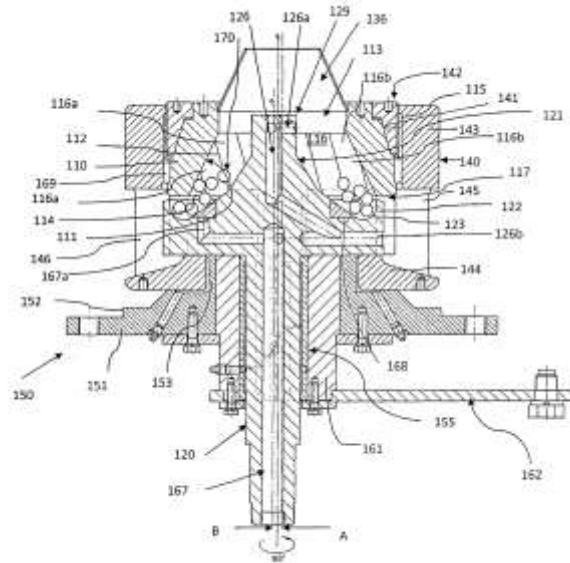
Typed copies of the specification which are to open to public inspection can be supplied by the Patent Office on payment of the prescribed charges which may be ascertained on application to the office.

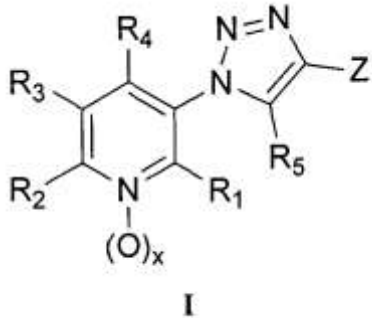
72/2013	MERIAL LIMITED, U.S.A.	<p>“AN ANTI-PARASITIC ORAL VETERINARY COMPOSITION COMPRISING AN ISOXAZOLINE ACTIVE AGENT”</p> <p>C07D261/04, A61K31/194 &amp; A61K 45/06.</p> <p style="text-align: right;"><b>143180</b></p> <p>The present invention relates to veterinary composition comprising at least one isoxazoline active agent of formula I</p>  <p style="text-align: right;"><b>(I)</b></p>
---------	---------------------------	--

		<p>wherein:  <math>A^1</math>, <math>A^2</math>, <math>A^3</math>, <math>A^4</math>, <math>A^5</math> and <math>A^6</math> are independently selected from the group consisting of <math>CR^3</math> and N, provided that at most 3 of <math>A^1</math>, <math>A^2</math>, <math>A^3</math>, <math>A^4</math>, <math>A^5</math> and <math>A^6</math> are N;  <math>B^1</math>, <math>B^2</math> and <math>B^3</math> are independently selected from the group consisting of <math>CR^2</math> and N;  W is O or S;  <math>R^1</math> is <math>C_1</math>-<math>C_6</math> alkyl, <math>C_2</math>-<math>C_6</math> alkenyl, <math>C_2</math>-<math>C_6</math> alkynyl, <math>C_3</math>-<math>C_6</math> cycloalkyl, <math>C_4</math>-<math>C_7</math> alkylcycloalkyl or <math>C_4</math>-<math>C_7</math> cycloalkylalkyl, each optionally substituted with one or more substituents independently selected from R6;  each <math>R^2</math> is independently H, halogen, <math>C_1</math>-<math>C_6</math> alkyl, <math>C_1</math>-<math>C_6</math> haloalkyl, <math>C_1</math>-<math>C_6</math> alkoxy, <math>C_1</math>-<math>C_6</math> haloalkoxy, <math>C_1</math>-<math>C_6</math> alkylthio, <math>C_1</math>-<math>C_6</math> haloalkylthio, <math>C_1</math>-<math>C_6</math> alkylsulfinyl, <math>C_1</math>-<math>C_6</math> haloalkylsulfinyl, <math>C_1</math>-<math>C_6</math> alkylsulfonyl, <math>C_1</math>-<math>C_6</math> haloalkylsulfonyl, <math>C_1</math>-<math>C_6</math> alkylamino, <math>C_2</math>-<math>C_6</math> dialkylamino, <math>C_2</math>-<math>C_4</math> alkoxy-carbonyl, -CN or -NO<sub>2</sub>;  each <math>R^3</math> is independently H, halogen, <math>C_1</math>-<math>C_6</math> alkyl, <math>C_1</math>-<math>C_6</math> haloalkyl, <math>C_3</math>-<math>C_6</math> cycloalkyl, <math>C_3</math>-<math>C_6</math> halocycloalkyl, <math>C_1</math>-<math>C_6</math> alkoxy, <math>C_1</math>-<math>C_6</math> haloalkoxy, <math>C_1</math>-<math>C_6</math> alkylthio, <math>C_1</math>-<math>C_6</math> haloalkylthio, <math>C_1</math>-<math>C_6</math> alkylsulfinyl, <math>C_1</math>-<math>C_6</math> haloalkylsulfinyl, <math>C_1</math>-<math>C_6</math> alkylsulfonyl, <math>C_1</math>-<math>C_6</math> haloalkylsulfonyl, <math>C_1</math>-<math>C_6</math> alkylamino, <math>C_2</math>-<math>C_6</math> dialkylamino, -CN or -NO<sub>2</sub>;  <math>R^4</math> is H, <math>C_1</math>-<math>C_6</math> alkyl, <math>C_2</math>-<math>C_6</math> alkenyl, <math>C_2</math>-<math>C_6</math> alkynyl, <math>C_3</math>-<math>C_6</math> cycloalkyl, <math>C_4</math>-<math>C_7</math> alkylcycloalkyl, <math>C_4</math>-<math>C_7</math> cycloalkylalkyl, <math>C_2</math>-<math>C_7</math> alkylcarbonyl or <math>C_2</math>-<math>C_7</math> alkoxy-carbonyl;  <math>R^5</math> is H, OR<sup>10</sup>, NR<sup>11</sup>R<sup>12</sup> or Q<sup>1</sup>; or <math>C_1</math>-<math>C_6</math> alkyl, <math>C_2</math>-<math>C_6</math> alkenyl, <math>C_2</math>-<math>C_6</math> alkynyl, <math>C_3</math>-<math>C_6</math> cycloalkyl, <math>C_4</math>-<math>C_7</math> alkylcycloalkyl or <math>C_4</math>-<math>C_7</math> cycloalkylalkyl, each optionally substituted with one or more substituents independently selected from R7.  This invention relates to oral veterinary compositions comprising at least one systemically-acting isoxazoline active agent of formula 1 in combination with a pharmaceutically acceptable carrier for controlling ectoparasites in animals. This invention also provides for improved methods like fast onset of activity and</p>
--	--	--

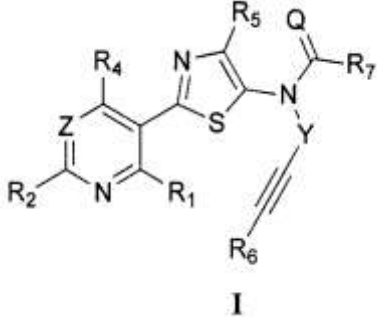
		<p>at the same time providing a long duration of efficacy for eradicating, controlling, and preventing parasitic infestations in an animal comprising administering the compositions of the invention to the animal in need thereof.</p>
886/2013	DOW AGROSCIENCES LLC, U.S.A.	<p>“HERBICIDAL COMPOSITION COMPRISING 4-AMINO-3-CHLORO-6-(4-CHLORO-2-FLUORO-3-METHOXYPHENYL)-5-FLUOROPYRIDINE-2-CARBOXYLIC ACID”</p> <p>A01N43/82 &amp; A01N43/40.</p> <p style="text-align: right;"><b>143181</b></p> <p>The present invention relates to a synergistic herbicidal composition comprising a herbicidally effective amount of (a) the benzyl ester of a compound of the formula (I)</p> <div style="text-align: center;">  <p>(I)</p> </div> <p>and (b) one or more compounds selected from the group consisting of flurtamone, diflufenican, and picolinafen.</p>
376/2014	JTG and Partners Pty Ltd; Australia	<p>“A GRINDING APPARATUS”</p> <p>B02C25/00 &amp; B02C2/04.</p> <p style="text-align: right;"><b>143182</b></p>

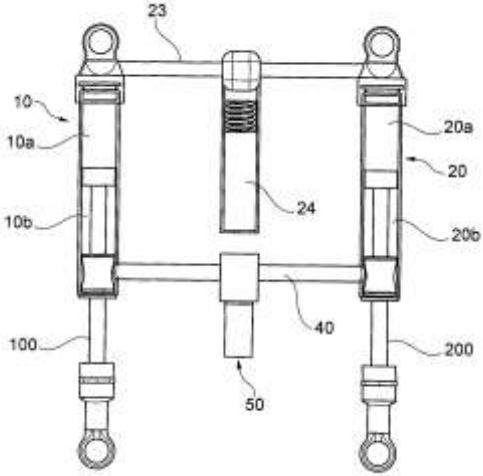
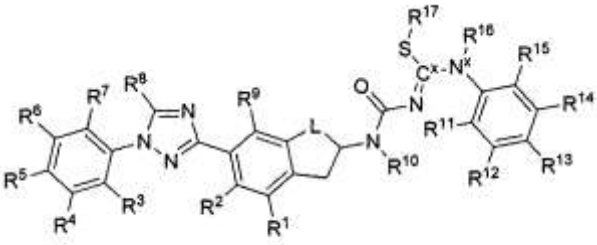
A grinding apparatus (100) comprises a receptacle (110), a grinding element (120) and a drive means. The receptacle (110) has a receptacle inner wall (111) defining a receptacle cavity (112). The receptacle inner wall (111) is in the general form of a surface of a revolution extending about a central vertically extending receptacle axis (A). The receptacle (110) is rotatable about the receptacle axis (A). The grinding element (120) has a grinding element outer wall (121) in the general form of a surface of revolution extending about a central vertically extending grinding element axis (B). The grinding element axis (B) is generally parallel to the receptacle axis (A) and offset from the receptacle axis (A) by an offset distance (D). The receptacle inner wall (111) and grinding element outer wall (121) together define a grinding chamber (116) within the receptacle cavity (112). The grinding chamber (116) has a generally annular cross-section. The drive means is adapted to rotationally drive the grinding element (120) about the grinding element axis (B) and/or to rotationally drive the receptacle (110) about the receptacle axis (A). [The offset distance (D) may be selectively adjustable.




<p>733/2014</p>	<p>DOW AGROSCIENCES LLC, U.S.A.</p>	<p>“PESTICIDAL COMPOSITION COMPRISING PYRIDINE TRIAZOLE COMPOUND, AND RELATED METHOD”</p> <p>A01N43/40,A01N43/647 &amp; C07D401/14.</p> <p style="text-align: right;"><b>143183</b></p> <p>A pesticidal composition comprises a pyridine triazole compound of formula I or any agriculturally acceptable salt thereof, wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, Z, and x are as described herein. A method of controlling pests comprises applying the pesticidal composition near a population of pests.</p> <div style="text-align: center;">  <p style="text-align: center;"><b>I</b></p> </div>
<p>735/2014</p>	<p>DOW AGROSCIENCES LLC, U.S.A.</p>	<p>“Pesticidal composition comprising 3-(4-chloro-2, 6-dimethylphenyl)-4-hydroxy-8- oxa-1-azaspiro[4,5]dec-3-en-2-one compound”</p> <p>A01N47/20,C05G3/02 &amp; C07D417/04.</p> <p style="text-align: right;"><b>143184</b></p> <p>The present invention relates to a pesticidal composition comprises a compound of formula I,</p>



		 <p style="text-align: center;"><b>I</b></p> <p>wherein  R<sub>1</sub>, R<sub>2</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, Z, Q, and Y are as described herein;  method of controlling pest comprises applying the pesticidal composition near a population of pest, or to an area to control pest.</p>
<p>381/2015</p>	<p>QUADRO VEHICLES SA,  Switzerland</p>	<p>“AN IMPROVED HYDRO-PNEUMATIC TILTING SYSTEM OF A VEHICLE WITH MORE THAN TWO WHEELS”</p> <p>B60G21/067, B62K5/10 &amp; B62K5/00.</p> <p style="text-align: right;"><b>143185</b></p> <p>The invention relates to hydro-pneumatic tilting system of a vehicle with more than two wheels, said vehicle having at least two wheels tilting by means of said hydro- pneumatic system, the system comprising at least one first hydraulic cylinder (10) and a second hydraulic cylinder (20) each associated to a respective tilting wheel of the vehicle, said first (10) and second (20) hydraulic cylinder respectively comprising a first (10a) and a second (20a) upper chamber containing oil, and a first (10b) and second (20b) lower chamber containing pressurized gas, the system comprising second connection means (40) which put said first (10b) and said second (20b) lower chamber into fluid communication with said first (10) and second (20) hydraulic cylinder, so that said gas may flow from one cylinder to the other , characterized in that said second connection</p>

		<p>means (40) comprise further shut-off means (50) adapted to adjust the gas flow which transits from one cylinder to the other by means of said second connection means (40).</p> <p>More in particular, it relates to motorcycles which have at least three wheels and can lean sideways by virtue of the presence of a so-called wheel tilting system.</p> 
<p>542/2015</p>	<p>DOW AGROSCIENCES LLC, U.S.A.</p>	<p>“Pesticidal Compound of Dihydro-1H-inden-2-yl thiobiuret and Composition thereof”</p> <p>A01N47/36 &amp; C07D249/08.</p> <p style="text-align: right;"><b>143186</b></p> <p>This disclosure relates to a molecule having the following formula</p>  <p style="text-align: center;"><b>Formula One</b></p> <p>wherein: R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, and R<sup>9</sup> are each independently selected from the group consisting</p>

		<p>of H, F, Cl, Br, I, CN, NO<sub>2</sub>, OH, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>2</sub>-C<sub>4</sub>)alkenyl, (C<sub>2</sub>C<sub>4</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)haloalkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, (C<sub>1</sub>-C<sub>4</sub>)haloalkoxy, (C<sub>3</sub>-O<sub>6</sub>)cycloalkyl, and (C<sub>3</sub>-C<sub>6</sub>)cycloalkoxy, <b>R<sup>8</sup></b> is H;</p> <p>L is a (C<sub>1</sub>-C<sub>4</sub>)alkyl that is optionally substituted with one or more substituents independently selected from the group consisting of F, Cl, CN, OH, and oxo;</p> <p><b>R<sup>10</sup></b> is selected from the group consisting of H, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>2</sub>-C<sub>4</sub>)alkenyl, (C<sub>2</sub>C<sub>4</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)haloalkyl, ((C<sub>1</sub>-C<sub>4</sub>)alkyl)((C<sub>3</sub>-C<sub>6</sub>)cycloalkyl), (C<sub>1</sub>-C<sub>4</sub>)alkylphenyl, (C<sub>1</sub>C<sub>4</sub>)alkylheterocyclyl, ((C<sub>1</sub>-C<sub>4</sub>)alkyl)O((C<sub>1</sub>-C<sub>4</sub>)alkyl), ((C<sub>1</sub>-C<sub>4</sub>)alkyl)OC(O)((C<sub>1</sub>-C<sub>4</sub>)alkyl), ((C<sub>1</sub>-C<sub>4</sub>)alkyl)OC(O)O((C<sub>1</sub>-C<sub>4</sub>)alkyl), C(O)((C<sub>1</sub>-C<sub>4</sub>)alkyl), and C(O)phenyl,</p> <p><b>R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, and R<sup>15</sup></b> are each independently selected from the group consisting of H, F, Cl, Br, I, CN, NO<sub>2</sub>, OH, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>2</sub>-C<sub>4</sub>)alkenyl, (C<sub>2</sub>-C<sub>4</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)haloalkyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, (C<sub>1</sub>-C<sub>4</sub>)haloalkoxy, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, and (C<sub>3</sub>C<sub>6</sub>)cycloalkoxy;</p> <p><b>R<sup>16</sup></b> and <b>R<sup>17</sup></b> are each independently selected from the group consisting of (G), H, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>2</sub>-C<sub>4</sub>)alkenyl, (C<sub>2</sub>-C<sub>4</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)haloalkyl, ((C<sub>1</sub>-C<sub>4</sub>)alkyl)((C<sub>3</sub>C<sub>6</sub>)cycloalkyl), (C<sub>1</sub>-C<sub>4</sub>)alkylphenyl, (C<sub>1</sub>-C<sub>4</sub>)alkylheterocyclyl, ((C<sub>1</sub>-C<sub>4</sub>)alkyl)C(O)((C<sub>1</sub>C<sub>4</sub>)alkyl), and ((C<sub>1</sub>-C<sub>4</sub>)alkyl)C(O)O((C<sub>1</sub>-C<sub>4</sub>)alkyl),</p> <p><b>R<sup>16</sup></b> and <b>R<sup>17</sup></b> together with (S)C<sup>x</sup>(N<sup>x</sup>) forms a 4 to 8 membered heterocyclyl ring, having pesticidal utility against pests in Phyla Nematoda, Arthropoda, and/or Mollusca, processes to produce such molecule</p>
589/2015	DOW AGROSCIENCES LLC, U.S.A.	<p>“HERBICIDAL COMPOSITION COMPRISING A PYRIDINE CARBOXYLIC ACID AND QUINOLINYLOXYACETATE SAFENER”</p> <p>A01N43/40,A01N43/54 &amp; C07D239/42.</p> <p style="text-align: right;"><b>143187</b></p>

		<p>Disclosed herein are safened herbicidal composition comprising (a) a pyridine carboxylic acid herbicide can comprise compound defined by Formula (I)</p> <div style="text-align: center;">  <p>(I)</p> </div> <p>wherein  X, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, A, O, N are as defined herein, or an agriculturally acceptable N- oxide, salt or ester thereof and (b) a quinolinylxyacetate safener or agriculturally acceptable salt or ester thereof. Also disclosed herein are method of controlling undesirable vegetation, comprising applying to vegetation or an area adjacent the vegetation or applying in soil or water to control the emergence or growth of vegetation (a) a pyridine carboxylic acid herbicide or an agriculturally acceptable N- oxide, salt or ester thereof and (b) an quinolinylxyacetate safener or agriculturally acceptable salt or ester thereof.</p>
84/2016	UNILEVER PLC, United Kingdom.	<p>“Composition to render hydrophobic substrate and repellent to stains and soils From Hard Surface”</p> <p>C11D7/50 &amp; C11D3/12.</p> <p style="text-align: right;"><b>143188</b></p> <p>The invention is in the field of hard surface treatment composition; and in particular relates to hard surface treatment composition to render a substrate hydrophobic and also repellent to stains and soils. It is thought that by making said surfaces hydrophobic, these stain/soils can be prevented from adhering onto the surfaces, enabling easy removal from the surface. It is therefore an object of the present invention to</p>

		<p>prevent soiling of hard surfaces by rendering a surface hydrophobic by forming a protective layer over the hard surface. It has been found that a combination of silica, an aminosilane and a polydimethylsiloxane having a viscosity between 25 to 500 cSt (25°C and 4s<sup>-1</sup>) and having a functional group selected from hydrogen, hydroxyl and epoxy group renders a surface hydrophobic by forming a protective layer over the hard surface and preventing soiling of the surface. Hard surface treatment composition comprising:</p> <p>a 1 to 4% by weight of a silica;</p> <p>b 5 to 50% by weight of a water miscible solvent;</p> <p>c 0.3 to 0.9% by weight of an amine-functional silane of the formula RSi(OR')<sub>3</sub>; wherein, R is an alkyl chain having 3 to 6 carbon atoms with one amine groups; R' is H or an alkyl chain having 1 to 5 carbon atoms;</p> <p>d 0.2 to 4.5% by weight of a polydimethylsiloxane having a viscosity between 25 to 500 cSt (25°C and 4s<sup>-1</sup>) wherein the polydimethylsiloxane has a functional group selected from hydrogen, hydroxyl and epoxy group; and</p> <p>e water.</p>
<p>133/2016</p>	<p>UNILEVER PLC, United Kingdom.</p>	<p>“STABLE CONCENTRATED CLEANSING COMPOSITION FOR HARD SURFACES”</p> <p>C11D3/12 &amp; C11D1/37.</p> <p style="text-align: right;"><b>143189</b></p> <p>This invention relates to a concentrated aqueous cleansing composition comprising: 14 wt% to 35 wt% of a mixed anionic surfactant system containing alkyl benzenesulphonate (a) and (poly)ethoxylated sulphate (b); at least 12 wt% sodium carbonate; and, total non-carbonate builder content less than 1 wt%, wherein the ratio of (a) to (b) is from 1:1 to 3:1 parts by weight.</p>

**SEALING FEES DUE**

Notice is hereby given that the Patent may now be sealed on the application referred to below if it is desired that Patent should be sealed a request on the prescribed Form-10 accompanied by the fee of **Rs.6750/-** should be sent to the Controller of Patents and Designs, The Patent Office, Karachi.

Accepted No.	Applicant Name	Application No.
143087	HIMONT LABORATORIES (PVT) LIMITED Lahore	148/2009
143088	NOVARTIS AG Switzerland	720/2009
143089	ORTLOFF ENGINEERS, LTD. S.M.E. PRODUCTS LP USA	199/2011
143090	ORTLOFF ENGINEERS, LTD. S.M.E. PRODUCTS LP USA	211/2011
143091	LG CHEM, LTD. Republic of Korea	769/2011
143092	Certain Teed Gypsum, Inc. USA	370/2013
143093	LG CHEM, LTD. Republic of Korea	675/2013
143094	Dr. Abdul Rehman Dr. Shahid Afghani Dr. Aamir Ali Dr. Zafar Iqbal Dr. Muhammad Ashraf Dr. Jamshaid Qamar Sargodha – Pakistan	62/2014
143095	DyStar Colours Distribution GmbH Germany	191/2015
143096	Novartis AG Switzerland	498/2015
143097	ROTAM AGROCHEM INTERNATIONAL	238/2016

	COMPANY LIMITED, Hongkong	
143098	CHIESI FARMACEUTICI S.p.A., ITALY	709/2016
143099	Prof. Dr. Ikram-ul-Haq,IIB Fatima Akram, IIB Prof. Hamid Mukhtar, IIB Ali Nawaz, IIB Lahore – Pakistan	247/2017
143100	Staubli Sargans AG, Switzerland	607/2017

**NEW APPLICATIONS FOR THE INDUSTRIAL DESIGNS**

<b>Design No.</b>	<b>Title &amp; Class</b>	<b>Applicant</b>
<b><u>01/07/2019</u></b>		
19934	DRUM (Class-03)	RAHIM BUX
19935	Recoil Exercise for Tank Gun (Class-01)	Muhammad Khurram Kiyani, Khurram Mahmood, Imran Shafi, Zubair Yamin Rana
19936	Solenoid in Electro-Pneumatic Recoil Mechanism (Class-01)	Muhammad Khurram Kiyani, Mohsin Islam Tiwana, Jawad Akbar Chaudhary Usman
19937	Multipurpose shop set for repair echelons of EME (Class-01)	Muhammad Khurram Kiyani, Imran Shafi, Zubair Yamin Rana, Mohsin Rana, Mohsin Islam Tiwana, Fahad Islam Tiwana
19938	Training of Rifle G3 (Class-01)	Muhammad Khurram Kiyani, Imran Shafi, Muhammad Daniyal Malik
19939	Universal Automatic Recoil Exercise Machine for Tank Gun (Class-01)	Muhammad Khurram Kiyani, Imran Shafi, Khurram Mahmood Zubair Yamin Rana
19940	Electronically Controlled Fuel Injection Training Board (Class-01)	Muhammad Khurram Kiyani, Imran Shafi, Mateen Mehmood
19941	Power Generation through Hump (Class-01)	Muhammad Khurram Kiyani, Imran Shafi, Shaikh Muhammad Asad Javeid
19942	Diesel Fuel Filtration and Dispensing System (Class-01)	Muhammad Khurram Kiyani, Imran Shafi, Muhammad Zeeshan Azhar
19943	Rocket Ramjet Integrated System (Class-01)	Engr. Dr. Ali Sarosh, Engr. Muhammad Yousaf Iqbal, Engr. Ali Hassan Engr. Wajih Ahmed Khan
19944	Hybrid Darrieus-Savonius Micro Hydrokinetic Turbine (Class-01)	Dr. Muhammad Sajid, Farhan Rafique, Umar Farooq Muhammad Nauman Saeed



19945	Vertical Axis Hydrokinetic Gorlov Turbine for Low Flow and Low Head Conditions (Class-01)	Dr. Muhammad Sajid, Syed Mazhar Abbas, Saad Tahir Zain Ahmed
<b><u>02/07/2019</u></b>		
19946	Chappal/Footwear (Class 10)	Bata Pakistan Limited
19947	Chappal/Footwear (Class 10)	Bata Pakistan Limited
19948	HOT POT (Class-03)	M/S Zulqarnain Corporation

-sd-

**(Dr. Muhammad Fayyaz Ahmad)**  
Controller of Patents  
& Registrar of Designs  
**Ph: 99230591**