



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

Weekending:- 01-01-2021

Legal Publication Date:- 16-02-2021

Journal Code (2102162)



**NEW APPLICATIONS FOR THE PATENTS**

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

<b>28/12/2020</b>		
893/2020	Microban Products Company. U.S.A. (Priority 30/12/2019 US and 30/12/2019 US)	“COMPOSITION AND METHOD FOR MICROBIAL CONTROL ON MATERIAL SURFACES”
<b>29/12/2020</b>		
894/2020	NAVEENA EXPORTS LIMITED. Pakistan.	“The idea of sustainable, all seasons functional, fabrics with 100% natural fibers”
<b>30/12/2020</b>		
895/2020	Alipay Labs (Singapore) Pte.Ltd., Singapore (Priority 31/03/2020 CN)	“METHOD, PAYING DEVICE, AND ELECTRONIC DEVICE FOR DISPLAYING PAYMENT CODE”
896/2020	Alipay Labs (Singapore) Pte.Ltd., Singapore. (Priority 03/03/2020 CN)	“METHOD, APPARATUS, DEVICE, AND SYSTEM FOR CROSS-BORDER PAYMENT”
897/2020	Alipay Labs (Singapore) Pte.Ltd., Singapore. (Priority 13/01/2020 CN)	“REGISTRATION AND PAYMENT METHOD AND APPARATUS FOR CROSS-REGIONAL OFF-LINE PAYMENT”
898/2020	IFM Due, Inc., U.S.A. (Priority 31/12/2019 US)	“Compounds and Compositions for Treating Conditions Associated with STING Activity”
899/2020	IFM Due, Inc., U.S.A. (Priority 31/12/2019 US)	“Compounds and Compositions for Treating Conditions Associated with STING Activity”
900/2020		

	Shakeel Ahmad and Ruqayah Shakeel. Pakistan.	"Rush Dryer for Grain Drying"
<b>31/12/2020</b>		
901/2020	Dr. Abdul Rehman, Assistant Professor at Department of Agronomy, Dr. Qingting Liu, Professor at Department of Agricultural Machinery Engineering, Dr. Tao Wu, Associate Professor at College of Engineering, Dr. Muhammad Rafi Qamar, Assistant Professor at Department of Agronomy and Dr. Atique-ur-Rehman, Assistant Professor at Department of Agronomy. Pakistan.	"SUGARCANE SETT CUTTER PLANTER"
<b>01/01/2021</b>		
1/2021	National University of Sciences & Technology. Pakistan.	"Brain Tumour Image Segmentation using deep networks"
2/2021	National University of Sciences & technology. Pakistan.	"Development of a linear acoustic array for aero-acoustic quantification of chamber-bladed vertical axis wind turbine"
3/2021	National University of Sciences & technology. Pakistan.	"cannabinoids and terpenes as an antibacterial and antibiofouling promotor for PES water filtration membranes"
4/2021	National University of Sciences & technology. Pakistan.	"development and testing of a wearable vibrotactile haptic feedback system for proprioceptive rehabilitation"
5/2021	National University of Sciences & technology. Pakistan	"In vitro investigation and evaluation of novel drug based on polyherbal extract against type 2 diabetes"
6/2021	National University of Sciences & technology. Pakistan.	"A multiband bianisotropic FSS with polarization insensitive and angularly stable properties"

7/2021	National University of Sciences & Technology. Pakistan.	"MIMO Antennas for smart 5G Devices"
8/2021	National University of Sciences & Technology. Pakistan.	"A Wideband Tunable power divider for SWIPT System"
9/2021	National University of Sciences & Technology. Pakistan.	"Eight element side edged framed MIMO antenna array for future 5G smart phones"
10/2021	National University of Sciences & Technology. Pakistan.	"Binder-free heterostructured MWCNTs/Al <sub>2</sub> S <sub>3</sub> decorated on NiCo foam as highly reversible cathode material for high-performance supercapacitors"
11/2021	National University of Sciences & Technology. Pakistan.	"Structural magnetic and dielectric characteristics of optically turned Fe doped ZrO <sub>2</sub> nanoparticles with visible light driven photocatalytic activity"
12/2021	National University of Sciences & Technology. Pakistan.	"Molten salts-Assisted fabrication of Fe, S, and N Co-Doped carbon as efficient oxygen reduction reaction catalyst"
13/2021	National University of Sciences & Technology. Pakistan.	"Enhancing the thermal, mechanical and swelling properties of PVA / Starch nanocomposite membranes incorporating g-C <sub>3</sub> N <sub>4</sub> "
14/2021	National University of Sciences & Technology. Pakistan.	"Epileptic seizure detection with a reduced montage: A way forward for ambulatory EEG devices"
15/2021	National University of Sciences & Technology. Pakistan.	"Anticancer and antibacterial potential of Rhus punjabensis and CuO nanoparticles"
16/2021	National University of Sciences & Technology. Pakistan.	"Confined polysulfide shuttle by Nickel disulfide nanoparticles encapsulated in graphene nanoshells synthesized by cooking oil"

17/2021	National University of Sciences & Technology. Pakistan.	"Bovine serum albumin protein-based liquid crystal biosensors for optical detection of toxic heavy metals in water"
18/2021	National University of Sciences & Technology. Pakistan.	"A facile approach to the synthesis of benzothiazoles from N-protected amino acids"
19/2021	National University of Sciences & Technology. Pakistan.	"Fabrication & characterization of chitosan coated biologically synthesized TiO <sub>2</sub> nanoparticles against PDR E coli of veterinary origin"
20/2021	National University of Sciences & Technology. Pakistan.	"Development of highly permeable and selective mixed matrix membranes based on Pebax®1657 and Nott-300 for CO <sub>2</sub> capture"
21/2021	National University of Sciences & Technology. Pakistan.	"HBLP: A hybrid underlay-interweave mode CRN for the future 5G-based internet of things"
22/2021	National University of Sciences & Technology. Pakistan.	"Post-combustion CO <sub>2</sub> capture with sweep gas in thin film composite (TFC) hollow fiber membrane (HFM) contractor"
23/2021	National University of Sciences & Technology. Pakistan.	"Membranes for CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> gas separation"
24/2021	National University of Sciences & Technology. Pakistan.	"Isolation of cellulose from wheat straw using alkaline hydrogen peroxide and acidified sodium chlorite treatments: comparison of yield and properties"
25/2021	National University of Sciences & Technology. Pakistan.	"Binary composites of strontium oxide / polyaniline for high performance supercapattery devices"
26/2021	National University of Sciences & Technology. Pakistan.	"A novel compact folded zeroth-order resonant antenna for internet of things USB dongle applications"
27/2021	National University of Sciences & Technology. Pakistan.	"Graphene-ferrites interaction for enhanced EMI shielding effectiveness of hybrid polymer composites"

28/2021	National University of Sciences & Technology. Pakistan.	"Diospyros lotus-mediated synthesis of iron oxide nanoparticles and their application as a catalyst in fenton reaction"
29/2021	National University of Sciences & Technology. Pakistan.	"Experimental study of CO <sub>2</sub> conversion into methanol by synthesized photocatalyst (ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> ) using visible light as an energy source"
30/2021	National University of Sciences & Technology. Pakistan.	"A novel strategy for synthesis of Al powder comprising of Al nanoflakes via ultrasonication of Al foil"
31/2021	National University of Sciences & Technology. Pakistan.	"Improved optical and electrochemical performance of MoS <sub>2</sub> -incorporated TiO <sub>2</sub> -PbS nanocomposite for solar paint application"
32/2021	National University of Sciences & Technology. Pakistan.	"Program cell death based binary construct (pCD-NBG) for the control of cotton infecting begomovirus(es) in Nicotiana benthamiana / nicotiana tabacum"
33/2021	National University of Sciences & Technology. Pakistan.	"Non-invasive kit for diagnosis of hepatitis B Virus "
34/2021	National University of Sciences & Technology. Pakistan.	"Non-invasive kit for diagnosis of hepatitis C virus"
35/2021	National University of Sciences & Technology. Pakistan.	"Non-invasive kit for diagnosis of human immunodeficiency virus"
36/2021	National University of Sciences & Technology. Pakistan.	"Catheter trackability testing machine (CTTM)"
37/2021	National University of Sciences & Technology. Pakistan.	"Stent coating and integrated vacuum drying apparatus"
38/2021	Rapidev Private Limited.	"A dual-band polarization diversity antenna"

	Pakistan.	array for millimeter-wave 5G mobile handset”
39/2021	Rapidev Private Limited. Pakistan.	“A Broadband circularly polarized antenna for future 5G Communication systems”
40/2021	International Business Machines Corporation. U.S.A.	“AUTOMATED IDENTIFICATION OF CHANGED-INDUCED INCIDENTS”

**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.

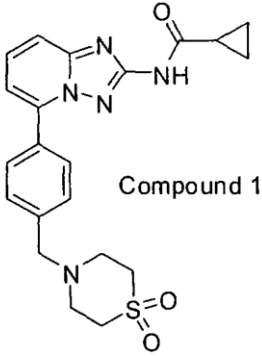
The figures shown within square brackets after the title of inventions indicate their classification index at acceptance.

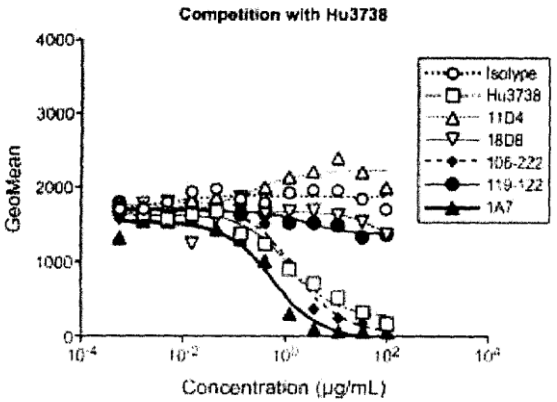
Typed copies of the specification which are to open to public inspection can be supplied by the Patent Office on payment of the prescribed charges which may be ascertained on application to the office.

1146/2009	NOVARTIS AG. Switzerland.	<p>"A crystalline Form of 1-(4-{1-[(E)-4-cyclohexyl-3-trifluoromethyl-benzyloxyimino]-ethyl}-2-ethyl-benzyl)-azetidine-3-carboxylic acid, (E)-but-2-enedioic acid"</p> <p>C07D205/04, A61K31/397 &amp; A61P35/00.</p> <p style="text-align: right;"><b>143683</b></p> <p>This invention relates to a hemifumarate salt of 1-(4-{1-[(E)-4-cyclohexyl-3-trifluoromethyl-benzyloxyimino]-ethyl}-2-ethyl-benzyl)-azetidine-3-carboxylic acid (Compound I), to pharmaceutical compositions comprising this salt, to processes for forming this salt and to its use in medical treatment. In addition, the present invention also relates to new polymorphic forms of the hemifumarate salt form of Compound I, as well as to pharmaceutical compositions comprising these polymorphic forms, to processes for obtaining them, and their use in medical treatment.</p>
-----------	------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

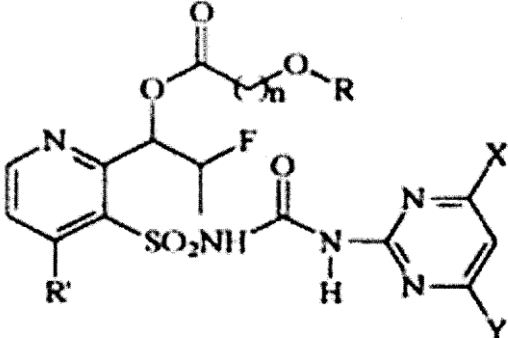


<p>89/2012</p>	<p>Syed Shah; Daniel Hassan and Sarah Hassan. U.S.A.</p>	<p>"MULTIPARTICULATE L-MENTHOL FORMULATION AND RELATED METHOD"</p> <p>A01N 25/34 &amp; A61K36/8962.</p> <p style="text-align: right;"><b>143684</b></p> <p>Enteric coated multiparticulate formulation that uses L-menthol as an active ingredient is disclosed. In one embodiment, the multiparticulate formulation comprises a plurality of particulates having a reduced release under gastric conditions and an elevated release at neutral pH. The particulates comprise a core comprising L-menthol as an active ingredient. The L-menthol is supplied to the core as an at least 80% pure L-menthol material. An enteric coating is over the core. The enteric coating is effective to release at least about 80% of the L-menthol within about two hours of being placed in a substantially neutral pH environment. Other aspects of the invention include methods of making and methods of using the muLtiparticulate formulations.</p>
<p>468/2013</p>	<p>BAYER PHARMA AKTIENGESELLSCHAFT. Germany.</p>	<p>"NOVEL 5-AMINOTETRAHYDROQUINOLINE-2-CARBOXYLIC ACID"</p> <p style="text-align: right;"><b>143685</b></p> <p>The present application relates to novel 5-amino-5,6,7,8 -tetrahydroquinoline-2-carboxylic acid &amp; to process for its preparation.</p>
<p>55/2015</p>	<p>Galapagos NV and AbbVie Inc., Belgium.</p>	<p>"NOVEL SALTS AND PHARMACEUTICAL COMPOSITION THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS"</p> <p>C07D471/04 &amp; A61K31/437.</p> <p style="text-align: right;"><b>143686</b></p> <p>The present invention discloses salts of a</p>

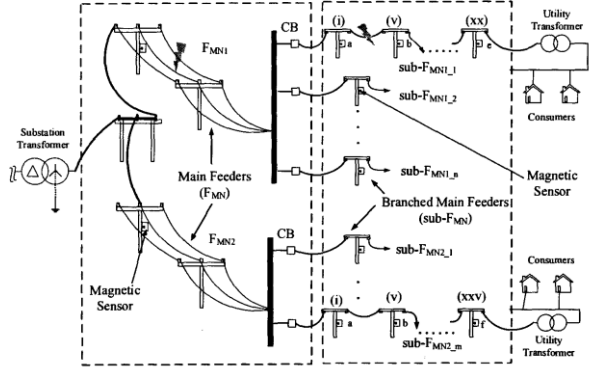
		<p>Compound I:</p>  <p>Compound 1</p> <p>useful in the prophylaxis and/or treatment of inflammatory conditions, autoimmune diseases, proliferative diseases, allergy, transplant rejection, diseases involving degradation and/or disruption of cartilage homeostasis, congenital cartilage malformations, and/or diseases associated with hypersecretion of IL6 or interleukins.</p>
<p>134/2017</p>	<p>COMSATS Institute of information Technology (CIIT). Pakistan.</p>	<p>"A Frequency and Similar Digraph (FSD) based Urdu keyboard"</p> <p>G06F3/00.</p> <p style="text-align: right;"><b>143687</b></p> <p>Since the invention of the typewriter in 1800s different keyboards have been proposed for the different languages. Different keyboard designs have been proposed for the Urdu language as well like the Phonetic and NSK. The Phonetic keyboard is used widely. In this research, we have developed a different keyboard design for Urdu, based on different attributes like letter frequencies and digraph frequencies. Various scientific experiments were conducted to evaluate the Phonetic, NSK and our designed keyboard by measuring the parameters like: 1). the total distance travelled by the human finger to type data, 2). right and left-hand workload and 3). finger workload. The results showed that our designed keyboard, the Frequency Similarity Diagram (FSD) is 45.77% better than the widely used Phonetic keyboard design in terms of</p>

		<p>distance traveled. Using FSD 7.2% lesser distance was traveled than Nesteliq Script Keyboard (NSK) devised by the author in 1987. Moreover, FSD uses 15.4% lesser keys (26) as compared to NSK which uses 30 keys. In addition, FSD supports 12% more letters (43) as compared to NSK which supports only 38 letters.</p> <table border="1" data-bbox="784 512 1382 732"> <tr> <td>ح</td><td>خ</td><td>ث</td><td>ب</td><td>ج</td><td>چ</td><td>پ</td><td>ف</td><td>غ</td><td>ن</td><td>ت</td><td>ث</td><td>ل</td><td>د</td><td>س</td> </tr> <tr> <td>ن</td><td>ے</td><td>ی</td><td>ی</td><td>و</td><td>و</td><td>م</td><td>ہ</td><td>ہ</td><td>ر</td><td>ا</td><td>ک</td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td>ق</td><td>ف</td><td>ز</td><td>ز</td><td>ش</td><td>گ</td><td>ھ</td><td>ئ</td><td></td><td></td><td></td><td></td><td></td> </tr> </table>	ح	خ	ث	ب	ج	چ	پ	ف	غ	ن	ت	ث	ل	د	س	ن	ے	ی	ی	و	و	م	ہ	ہ	ر	ا	ک						ق	ف	ز	ز	ش	گ	ھ	ئ					
ح	خ	ث	ب	ج	چ	پ	ف	غ	ن	ت	ث	ل	د	س																																	
ن	ے	ی	ی	و	و	م	ہ	ہ	ر	ا	ک																																				
		ق	ف	ز	ز	ش	گ	ھ	ئ																																						
<p>654/2017</p>	<p>ABBVIE BIOTHERAPEUTICS INC. U.S.A.</p>	<p>“Anti-OX40 antibodies” C07K16/28, A61P35/00 &amp; A61P37/04.</p> <p style="text-align: right;"><b>143688</b></p> <p>The present disclosure provides novel anti-OX40 antibodies, compositions including the antibodies, nucleic acids encoding the antibodies, and methods of making and using the same.</p>  <p>The graph, titled "Competition with Hu3738", plots GeoMean (y-axis, 0 to 4000) against Concentration in µg/mL (x-axis, logarithmic scale from 10<sup>-4</sup> to 10<sup>2</sup>). It compares the binding of several antibodies to OX40 compared to a control (Hu3738). The legend includes: Isotype (open circles), Hu3738 (open squares), 11D4 (open triangles), 18D8 (open inverted triangles), 106-222 (filled diamonds), 119-122 (filled circles), and 1A7 (filled triangles). Hu3738 shows a dose-dependent decrease in GeoMean as concentration increases. The 119-122 antibody shows a similar competitive inhibition profile. Other antibodies (11D4, 18D8, 106-222, 1A7) show higher GeoMean values that are less sensitive to concentration changes, indicating they do not compete effectively with Hu3738 for OX40 binding.</p>																																													
<p>710/2018</p>	<p>FAES FARMA, S.A. Spain.</p>	<p>“An aqueous pharmaceutical composition comprising bilastine and a steroid as active ingredients for allergic</p>																																													

		<p>disorders and inflammatory diseases”</p> <p>A61K31/454, A61K31/58, A61K47/38, A61K47/40, A 61K9/00, A61K 9/08, A61P11/02, A61P11/06 &amp; A 61P37/08.</p> <p style="text-align: right;"><b>143689</b></p> <p>The invention relates to an aqueous pharmaceutical composition comprising: a) bilastine or a pharmaceutically acceptable salt or solvate thereof, b) mometasone, or a pharmaceutically acceptable derivative thereof, c) a suspending agent, and d) 2-hydroxypropyl-<math>\beta</math>-cyclodextrin; wherein the pH of the aqueous pharmaceutical composition is between 3.5 and 5.5, and wherein the content of 2-hydroxypropyl-<math>\beta</math>-cyclodextrin is less than 8.5% by weight. The invention also relates to said compositions for use in the treatment and/or prevention of a disorder or disease susceptible to amelioration by antagonism of H<sub>1</sub> histamine receptor and/or of a corticosteroid-responsive disease through nasal administration. The invention also relates to a process for preparing the aqueous pharmaceutical composition above mentioned.</p>
775/2018	LG CHEM, LTD. Rep.of Korea.	<p>“PYRIDINE SULFONYLUREA COMPOUND CONTAINING HERBICIDAL COMPOSITION”</p> <p>A01N25/02, A01N25/12, A01N47/38, A01N 25/30 &amp; A 01N 25/14.</p> <p style="text-align: right;"><b>143690</b></p> <p>The present invention relates to an herbicidal composition including a pyridine sulfonylurea compound represented by Formula 1 below as an active ingredient, the pyridine sulfonylurea compound being an isomer mixture including an erythro form and a threo form, the isomer mixture including 92 % by weight or more of the erythro form: [Formula 1]</p>

		 <p>wherein n represents an integer of 1 to 3, R is a hydrogen atom or a C1 to C4 alkyl group, R' is a hydrogen atom, a C1 to C4 alkyl group, a C1 to C3 haloalkyl group, a halogen group, or a C1 to C2 alkoxy group, and X and Y are each independently a C1 to C2 alkyl group, a C1 to C2 alkoxy group, a C1 to C2 haloalkoxy group, or a halogen group.</p>
776/2018	LG CHEM, LTD. Rep.of Korea.	<p>“PYRIDINE SULFONYLUREA COMPOUND CONTAINING LIQUID HERBICIDAL COMPOSITION”</p> <p>A01N25/02, A01N47/38, A01N25/24 &amp; A01N25/14.</p> <p style="text-align: right;"><b>143691</b></p> <p>The present invention relates to a liquid herbicidal composition, and more particularly, to a liquid herbicidal composition which includes an active ingredient and a buffer, wherein the active ingredient may comprise a pyridine sulfonylurea compound represented by Formula 1, and the buffer may have a pH of 5.80 to 6.25. The liquid herbicidal composition has excellent herbicidal activity, is improved in stability even when being prepared in liquid formulations, particularly, suspension concentrate formulations, and thus easily stored for a long time.</p>
126/2019	Prof. Dr. Abdul Naeem; Prof. Dr. Tahira Mahmood; Dr.Muhammad Farooq; Prof. Dr. Bashir Ahmad; Ms. Tooba Saeed; Mr. Zahoor Ahmad	<p>“A process of preparation of Magnesium Oxide and Polyvinylpyrrolidone composite as an adsorbent for wastewater treatment”</p> <p>C01G49/00, C02F9/00 &amp; C04B5/00.</p>

	<p>and Mr. Afsar Khan. Pakistan.</p>	<p style="text-align: right;"><b>143692</b></p> <p>The present invention relates to a process of preparation of Magnesium Oxide and Polyvinylpyrrolidone (MgO - PVP) composite as adsorbents for the treatment of organic pollutant like methyl orange and congo red of wastewater. The mixing ratio of 0.5M MgO and 0.1M PVP in the preparation of MgO - PVP composite is 5:1. The washed particles of the said composite were dried at 60 °C - 110 °C. PVP coating reduces the thickness of the MgO particles in MgO - PVP composite which increase the percentage of highly reactive facets exposed. The congored and methyl orange concentration in model wastewater in the range of 5-200mgIL, 0.1g composite were added to the model solution and removal rate is achieved more than 50%. MgO - PVP composite is competent for vast concentration range; treatment effect is good; possesses high adsorption capacity and environmentally benign for the adsorption of dyes.</p>
<p>197/2019</p>	<p>Dr. Khawaja Arsalan Habib, Muhammad Kazim and Safeer Ahmad Pakistan.</p>	<p>“Non-contact wireless overhead power line monitoring system”</p> <p>G01R31/00 &amp; G08C17/00.</p> <p style="text-align: right;"><b>143693</b></p> <p>The existing 11 kV power distribution network in Pakistan suffers severely because of short circuit faults along the span length at a number of points of distributions, starting from the feeder at the Grid Station towards the consumer side. Consumer face tripping that cause the blackouts exceed 180 hours on average due to short circuit faults. Here, tripping refers to circuit breaker action at feeder due to presence of short circuit current on three phase line. These blackouts are apart from planned load shedding/blackouts from National Transmission and Distribution Company as well as due to insulation failures on transmission system. Such short circuit faults need to be rectified manually by line maintenance</p>

		<p>staff and stimulate development of such an autonomous fault localization system. An innovative tripping system is developed for overhead power lines based on noncontact magnetic-field measurement is proposed. With the magnetic field measured along the transmission line by using highly sensitive, broadband, and a low-cost magneto resistive magnetic sensor, the fault span can be located. The collected data is further used for identifying the fault location within the fault span. Particularly, an autonomous and portable devices are developed that is to be deployed at various nodes of power distribution network to localize the fault, reduce the manual efforts and black out timings.</p> 
<p>254/2020</p>	<p>BAYER PHARMA AKTIENGESELLSCHAFT, Germany.</p>	<p>“DERIVATIVE OF NOVEL 5-AMINOTETRAHYDROQUINOLINE-2-CARBOXYLIC ACID”</p> <p>C07D217/26, C07D401/12, C07D413/12, A61K31/47 &amp; A61P9/00.</p> <p style="text-align: right;"><b>143694</b></p> <p>The present application relates to derivative of novel 5-amino-5,6,7,8- tetrahydroquinoline-2-carboxylic acid &amp; to process for its preparation.</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.

<b>Accepted No.</b>	<b>Applicant Name</b>	<b>Application No.</b>
<b>143550</b>	NEC CORPORATION. Japan.	801/2015
<b>143551</b>	BAYER PHARMA AKTIENGESELLSCHAFT. Germany.	226/2017
<b>143552</b>	Kochi Marutaka Co. Ltd. Japan.	43/2013
<b>143553</b>	CHINA XD ELECTRIC CO., LTD. China.	651/2015
<b>143554</b>	Nantong Fujiatu Textile Machinery Co., Ltd. China.	583/2017
<b>143555</b>	AIR WEAPONS COMPLEX (AWC) GOVERNMENT OF PAKISTAN. Pakistan.	912/2005
<b>143556</b>	AIR WEAPONS COMPLEX (AWC) GOVERNMENT OF PAKISTAN. Pakistan.	266/2009
<b>143557</b>	ADVERIO PHARMA GMBH, Germany.	351/2011
<b>143558</b>	Forward Sports (Pvt) Limited. Pakistan.	737/2015
<b>143559</b>	CJ HEALTHCARE CORPORATION.	31/2016



	Rep.of Korea.	
<b>143560</b>	British American Tobacco (investments) Limited. United Kingdom.	225/2016
<b>143561</b>	LOTTE CONFECTIONERY CO., LTD. Rep.of Korea.	576/2016
<b>143562</b>	Yuan-Cheng CHIEN. Taiwan.	629/2016
<b>143563</b>	Auvitronics Limited, Pakistan.	744/2016
<b>143564</b>	MASCHINENFABRIK RIETER AG, Switzerland.	311/2017
<b>143565</b>	ELI LILLY AND COMPANY. U.S.A.	18/2018
<b>143566</b>	Sumitomo SHI FW Energia Oy Finland.	122/2018
<b>143567</b>	HONDA MOTOR CO., LTD. Japan.	201/2018
<b>143568</b>	HONDA MOTOR CO., LTD. Japan.	202/2018
<b>143569</b>	HONDA MOTOR CO., LTD. Japan.	344/2018
<b>143570</b>	Sumitomo SHI FW Energia Oy Finland.	473/2018
<b>143571</b>	UNILEVER PLC. United Kingdom.	536/2018
<b>143572</b>	SDI CORPORATION.	591/2018

	Taiwan.	
<b>143573</b>	Eli Lilly and Company. U.S.A.	730/2018
<b>143574</b>	Alibaba Group Holding Limited, Cayman islands.	330/2019
<b>143575</b>	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH. India.	595/2008
<b>143576</b>	AstraZeneca AB. Sweden.	423/2011
<b>143577</b>	Novartis AG. Switzerland.	75/2014
<b>143578</b>	Novartis AG Switzerland.	191/2014
<b>143579</b>	Immatics biotechnologies GmbH Germany.	555/2014
<b>143580</b>	UPL LIMITED. India.	47/2015
<b>143581</b>	Respivert Limited. United Kingdom.	73/2015
<b>143582</b>	ELI LILLY AND COMPANY. U.S.A.	97/2016
<b>143583</b>	Dr. Syeda Asma Bano. Pakistan.	434/2017
<b>143584</b>	AstraZeneca AB. Sweden.	489/2017
<b>143585</b>	Arr-Maz Products, L.P.	570/2017

	U.S.A.	
<b>143586</b>	AiCuris Anti-infective Cures GmbH. Germany.	604/2017
<b>143587</b>	The Queen's University of Belfast. United Kingdom.	652/2017
<b>143588</b>	Dr. Irfan Afzal, Associate Professor. Pakistan.	134/2018
<b>143589</b>	immatix biotechnologies GmbH. Germany.	631/2018
<b>143590</b>	Sumitomo SHI FW Energia OY. Finland.	705/2018
<b>143591</b>	CASALE SA, Switzerland.	350/2019
<b>143592</b>	immatix biotechnologies GmbH. Germany.	180/2020

**NEW APPLICATIONS FOR THE INDUSTRIAL DESIGNS**

<b>S. No.</b>	<b>Design No.</b>	<b>Title &amp; Class</b>	<b>Applicant</b>
<b><u>29/12/2020</u></b>			
<b>1.</b>	20724	Medicine administration device (Class-03)	HIROSAKI UNIVERSITY
<b>2.</b>	20725	Medicine administration device (Class-03)	Otsuka Pharmaceutical Factory, Inc.
<b>3.</b>	20726	Football Panel Counting Machine (Class-01)	NUST
<b><u>31/12/2020</u></b>			
<b>4.</b>	20727	CONTAINER (Class-01)	M/S MULTIPLE TRADING
<b>5.</b>	20728	CAN (L) (Class-03)	GAS & OIL PAKISTAN LIMITED
<b>6.</b>	20729	CAN (S) (Class-03)	GAS & OIL PAKISTAN LIMITED
<b><u>01/01/2021</u></b>			
<b>7.</b>	20730	AquaSmart - Water Monitoring Device	NUST
<b>8.</b>	20731	Burnurse -First Aid Solution Kit	NUST
<b>9.</b>	20732	Halkar - A soil turning attachment for tractors to mix gypsum into the ground	NUST
<b>10.</b>	20733	Adaptable Back Support for Posture Correction	NUST
<b>11.</b>	20734	Zephyr, a protective body gear for laborers / workers designed to safeguard them from heatstroke and heat related illness	NUST
<b>12.</b>	20735	Infuser: A smart body worn self- injecting insulin devices	NUST
<b>13.</b>	20736	Ampler, A modular, customizable shelving system to manage everyday things	NUST

**REGISTRATION OF DESIGNS**

The following designs have been registered.

<b>S. No.</b>	<b>Design No.</b>	<b>Title &amp; Class</b>	<b>Applicant</b>
<b><u>30/12/2020</u></b>			
<b>1.</b>	20038	Cardboard box (Class-05)	Nutriset S.A.S.
<b>2.</b>	20410	A side cover for a motorcycle (Class-03)	Honda Motor Co., Ltd.

**-sd-**

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