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|--|------------------------|---------------------------|------------------------|------------------------------|--|
| FORM 1 THE PATENTS ACT 1970 (39 OF 1970) and The Patents Rules, 2003 APPLICATION FOR GRANT OF PATENT (See section 7,54 & 135 and sub-rule (1) of 20) | | | | (FOR OFFICE USE ONLY) | |
| | | Application No: | | | |
| | | Filing Date: | | | |
| | | Amount of Fee paid: | | | |
| | | CBR No: | | | |
| | | Signature: | | | |
| 1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALOTTED BY OFFICE) | | | | | |
| 2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category] | | | | | |
| Ordinary (✓) | | Convention () | | PCT-NP () | |
| Divisional () | Patent of addition () | Divisional () | Patent of addition () | Divisional () | Patent of addition () |
| 3A. APPLICANT(S) | | | | | |
| Name in full | | Nationality | Country of Residence | Address of the Applicant | |
| Lovely Professional University | | Indian | India | House No. & Address | Jalandhar-Delhi G.T. Road, |
| | | | | Street | - |
| | | | | City | Phagwara |
| | | | | State | Punjab |
| | | | | Country | India |
| | | | Pin Code | 144411 | |
| 3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category] | | | | | |
| Natural person () | | Other than Natural person | | | |
| | | Small entity () | Startup () | Educational Institute (✓) | |
| 4. INVENTOR(S) [Please tick (✓) at the appropriate category] | | | | | |
| Are all the inventor(s) same as the applicant(s) named above? | | Yes () | | No (✓) | |
| If “ No ” furnish the details of the inventor(s) | | | | | |
| Name in full | | Nationality | Country of Residence | Address of the Applicant | |
| KUMARI, Sapna | | Indian | India | House No. & Address | Lovely Professional University, Jalandhar-Delhi G.T. Road, |
| | | | | Street | - |
| | | | | City | Phagwara |
| | | | | State | Punjab |

| | | | | |
|---|--|--|----------------------------------|--|
| | | | Country | India |
| | | | Pin Code | 144411 |
| KAUR, Dr. HARPREET | Indian | India | House No. & Address | Lovely Professional University, Jalandhar-Delhi G.T. Road, |
| | | | Street | - |
| | | | City | Phagwara |
| | | | State | Punjab |
| | | | Country | India |
| | | | Pin Code | 144411 |
| | | | 5. TITLE OF THE INVENTION | |
| <p align="center">AN IOT AND CONVOLUTIONAL NEURAL NETWORK-BASED EARLY DETECTION SYSTEM FOR MONKEYPOX</p> | | | | |
| 6. AUTHORISED REGISTERED PERSON(S) | IN/PA No. | NA | | |
| | Name | NA | | |
| | Mobile No. | NA | | |
| 7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA | Name | Dr. Monica Gulati (Registrar) 9915020408 Lovely Professional University (Phagwara) | | |
| | Postal address | Lovely Professional University, Delhi Jalandhar GT road Phagwara- 144411. | | |
| | Telephone No. | +911824444535 | | |
| | Mobile No. | 9915020408 | | |
| | Fax no. | +91824-506111 | | |
| | E-Mail ID | dip@lpu.co.in | | |
| | 9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT) | | | |
| | International application number | International filing date | | |
| NA | | | | |
| 10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION | | | | |
| Original (first) application No. | Date of filing of original (first) application | | | |

**11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54,
PARTICULARS OF MAIN APPLICATION OR PATENT**

Main application / Patent No.

Date of filing of main application

12. DECLARATIONS:

(i) Declaration by the Inventor (s)

(In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the above named inventor(s) are the true & first inventor(s) for this invention and declare that the applicant herein is our assignee or legal representative.

(a) Date: 01-07-2023

(b) Signature:



(c) Name: KUMARI, Sapna

(a) Date: 01-07-2023

(b) Signature:



(c) Name: KAUR, Dr. Harpreet

(ii) Declaration by the applicant (s) in the convention country

(In case the applicant in India is different than the applicant in the convention country:the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee representative.

a) Date :

b) Signature : _____

c) Name(s) of the signatory : Lovely Professional University

(iii) Declaration by the applicants:

I/We, the applicants hereby declare that:

- ☒ I am/We are in possession of the above – mentioned invention.
- ☒ The complete specification relating to the invention is filed with this application.
- ☒ The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.
- ☒ There is no lawful ground of objection to the grant of the Patent to us.

- ☒ I/We are the assignee or legal representative of true & first inventors.
- ☒ The application or each of the applications, particulars of which are given in Para – 5 was first application in convention country/countries in respect of my/our invention
- ☒ I/We claim the priority from the above-mentioned application filed in convention country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which I/We derive the title.
- ☒ My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph – 9.
- ☒ My/Our application is divided out of My/our application particulars of which are given in Paragraph – 10 and pray that this application may be treated as deemed to have been filed on _____ under sec. 16 of the Act.
- ☒ The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph – 11

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

| Item | Details | Fee | Remarks |
|--------------------------|--|-----|---------|
| Complete specification # | No. of pages 19 | | |
| No. of Claim(s) | No. of claims and No. of pages 8 and 2 pages | | |
| Abstract | No. of pages 1 | | |
| No. of Drawing(s) | No. of drawings and No. of pages 2 and 2 pages | | |

In case of a complete specification, if the applicant desires to adopt the drawings filed with his complete specification as the drawings or part of drawings for the complete specification under rule 13 (4), the number of such pages filed with the complete specification are required to be mentioned here.

- ~~(b) Complete specification (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~
- ~~(c) Sequence listing in electronic form~~
- ~~(d) Drawings (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~
- ~~(e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.~~
- ~~(f) Translation of priority document / Specification / International Search Report / International Preliminary Report on Patentability.~~

(g) ~~Statement and Undertaking on Form 3~~

(h) ~~Declaration of Inventorship on Form 5~~

(i) Power of Authority

(j) _____

Total Fee Rs. 1600/- Via E-Filing.

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated herein are correct and I/we request that a patent may be granted to me/us for the said invention.

Dated this.....day of July 2023

Signature

Dr. Monica Gulati

Registrar

LPU

Mobile Number:9915020408

To

The Controller of Patents,

The Patent Office, at New Delhi

Note:-

*** Repeat boxes in case of more than one entry.**

*** To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.**

*** Tick (✓)/ cross (x) whichever is applicable/not applicable in declaration in paragraph-12.**

*** Name of the inventor and applicant should be given in full, family name in the beginning.**

*** Strike out the portion which is/are not applicable.**

*** For fee: See First schedule.**



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202311045609 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 06/07/2023 |
| APPLICANT NAME | Lovely Professional University, |
| TITLE OF INVENTION | AN IOT AND CONVOLUTIONAL NEURAL NETWORK-BASED EARLY DETECTION SYSTEM FOR MONKEYPOX |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | dip@lpu.co.in |
| ADDITIONAL-EMAIL (As Per Record) | dip@lpu.co.in |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 04/08/2023 |

Application Status

| | |
|--------------------|----------------------------------|
| APPLICATION STATUS | Awaiting Request for Examination |
|--------------------|----------------------------------|

[View Documents](#)