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FEDERAL REPUBLIC OF NIGERIA

Certificate of Registration of Patent

(Patents and Designs Act; CAP 344 Laws of the Federation of Nigeria 1990)

RP:NG/PT/NC/O/2025/18855

Date of Patent: 26/08/2025

Date of Sealing: 01/09/2025

President of the Federal Republic of Nigeria and Commander-in-chief of the Armed Forces
BOLA AHMED TINUBU, GCFR.

Whereas a request for the grant of a patent has been made by: **OLUWAFEMI BAMIDELE DARAMOLA** of **DEPARTMENT OF MICROBIOLOGY, OBAFEMI AWOLOWO UNIVERSITY**; **NKEM TORIMIRO** of **DEPARTMENT OF MICROBIOLOGY, OBAFEMI AWOLOWO UNIVERSITY** and **REAMA CHINEDU GEORGE** of **DEPARTMENT OF CHEMISTRY, OBAFEMI AWOLOWO UNIVERSITY** c/o **THE INTELLECTUAL PROPERTY AND TECHNOLOGY TRANSFER OFFICE (IPTTO), OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE, OSUN STATE, NIGERIA**

For the sole use and advantage of an invention for: **COLORIMETRIC-BASED DETECTION OF SALMONELLA TYPHIMURIUM AND ESCHERICHIA COLI USING 2,3,5,-TRIPHENYL TETRAZOLIUM CHLORIDE-FUNCTIONALIZED IRON OXIDE-GOLD NANOCOMPOSITE**

WHEREAS the Federal Government being willing to encourage all invention which may be for public good, is pleased to accede to the request:

KNOW YE THEREFORE, that I do by this Instrument give and grant unto the person(s) above named and any successor(s), executor(s), administrator(s) and assign(s) (each and any of whom are hereinafter referred to as the patentee) by special licence, full power, sole privilege and authority, that the patentee or any agent or licensee of the patentee may subject to the conditions and provisions prescribed by any statute or order for the time being in force at all times hereafter during the term of years herein mentioned, make, use, exercise and vend the said invention throughout the Federal Republic of Nigeria, and that the patentee shall have and enjoy the whole profit and advantage from time to time accruing by reason of the said invention during the term of twenty years from the date first above written on this Instrument: AND to the end that the patentee may have and enjoy the sole use and exercise of the full benefit of the said invention, I do by this Instrument strictly command all citizens of the Federal Republic of Nigeria that they do not at any time during the continuance of the said term either directly or indirectly make use of or put in practice the said invention, nor in anywise imitate the same, without the written consent, licence or agreement of the patentee, on pain of incurring such penalties as may be justly inflicted on such offenders, and of being answerable to the patentee according to law for damages thereby occasioned:

PROVIDED ALWAYS that this patent shall be revocable on any of the grounds from time to time by law prescribed as grounds for revoking patents granted by me, and the same may be revoked and made void accordingly:

PROVIDED ALSO that nothing herein contained shall prevent the granting of licences in such manner and for such considerations as they may by law be granted

MADE this: 1st DAY OF SEPTEMBER, 2025

JANE IGWE
Registrar



The continuance of this Patent is conditional on the payment (by way of Patents Form No. 5) of the fees as prescribed under the Patents Rules.

The Patents Form No. 5, together with the prescribed fee, must be lodged in the Patent Office not later than the due date; otherwise the patent will cease. If the form with the fee is not lodged in the Patent Office until after that date, it cannot be accepted unless application for an extension of time is made on Patents Form No. 6, accompanied by the prescribed fee. Extension beyond six months cannot be obtained. No reduction of extension fee shall be made in the case of Patent endorsed "Licences of Right"

If any person becomes entitled by assignment, transmission or other operation of law to this patent, or a part interest therein, or any interest as mortgagee or licensee or otherwise, application must be made to the Registrar to register such title or interest. Particulars as to the manner of making such application may be obtained from the Patent Office.

PROCEDURE FOR PAYMENT OF FEES

Patent fees are payable direct to the Patent Office by means of money orders, postal orders, bank drafts and bank cheques, (Adhesive stamps will not be accepted in payment of fees). The prescribed fee must be submitted together with the appropriate completed Patents Form, in addition each form or batch of forms should be accompanied by a fee sheet (FS. 1) showing details of the form(s) and the amount(s) of the fee(s). Money orders, etc. should be made payable to the Registrar of patents and Designs, patent office", and crossed. Parents forms, together with fees and fee sheets (FS. 1) may be delivered to the Parent office either Via the online system or by hand at the Patent & Design, Registry, Federal Ministry of Industry, Trade & Investment Abuja, Nigeria.

Blank patent Forms and fee sheets (FS. 1) can be obtained from the Clerk of Stationery Office, Federal Ministry of Industry, Trade & Investment Abuja, Nigeria.