



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

DR. HUMA ALI; DR. SAVITA DIXIT

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

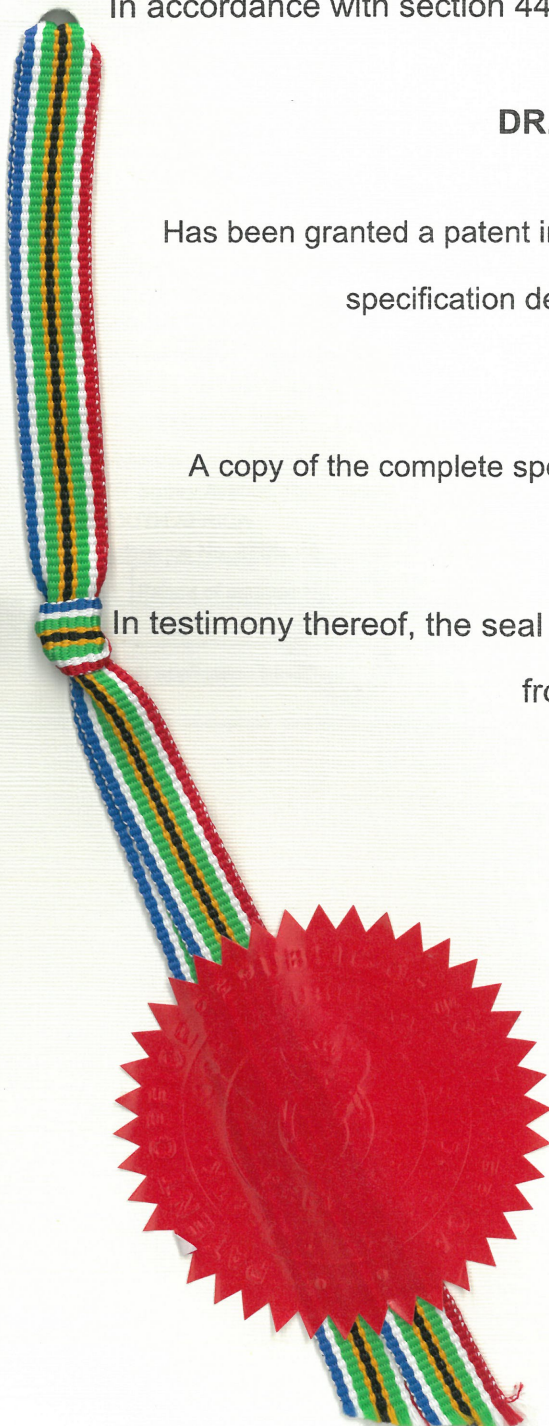
2023/04312

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 30th day of August 2023



Registrar of Patents



PATENT JOURNAL

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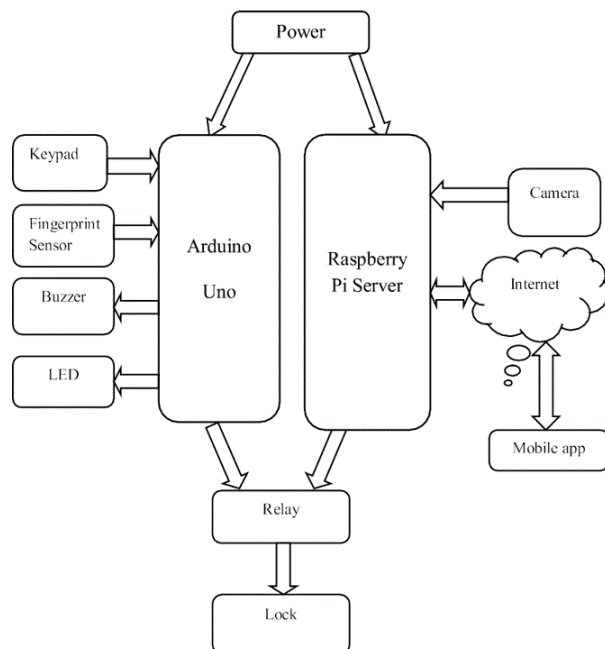
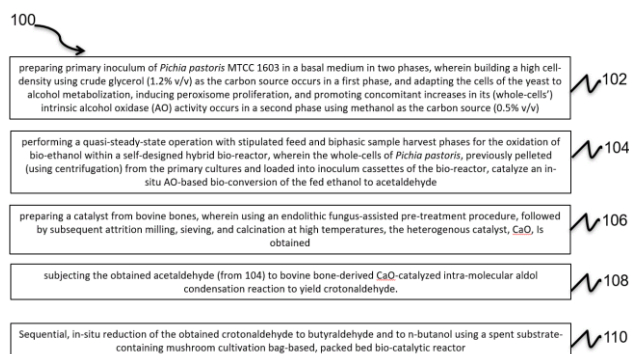
Part II of II

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milling, sieving, and calcination at high temperatures to yield CaO; bovine bone-derived CaO-catalyzed intra-molecular aldol condensation of acetaldehyde to yield crotonaldehyde; and the in-situ reduction of crotonaldehyde to butyraldehyde and its subsequent carbonyl reduction to bio-n-butanol using a spent substrate-containing mushroom cultivation bag-based packed bed bio-reactor.



21: 2023/04282. 22: 2023/04/11. 43: 2023/08/04

51: G06F

71: SINGH, Avinyash, SINGH, Abhijeet, TIWARI, Paras, SINGH, Pushpendra, ANGRAM, Divyanshu, SHUKLA, Sheo Prasad, YADAV, Amit Kumar, KHAN, Mohd Tauseef

72: SINGH, Avinyash, SINGH, Abhijeet, TIWARI, Paras, SINGH, Pushpendra, ANGRAM, Divyanshu, SHUKLA, Sheo Prasad, YADAV, Amit Kumar, KHAN, Mohd Tauseef

54: AN IOT ENABLED SMART SECURITY SYSTEM AND METHOD TO PROTECT PRIVACY AS WELL AS PROPERTY

00: -

An IoT enabled smart security system (100) and method (200) to protect privacy as well as property and offers a multi-layered security for authorized users and remotely monitor for providing access to both authorized members and unauthorized members after secured authentication, that works in real time i.e. ranging from 2 seconds to 4 seconds with accuracy ranging from 99.5 % to 99.8% and comprising of a user interface platform (1), security module (2) and a controller (3).

21: 2023/04312. 22: 2023/04/11. 43: 2023/08/04

51: A61K

71: DR. HUMA ALI, DR. SAVITA DIXIT

72: DR. HUMA ALI, DR. SAVITA DIXIT

33: IN 31: 202221006296 32: 2022-02-06

54: A HERBAL COMPOSITION

00: -

Disclosed is an herbal composition which when administered in a therapeutically amounts is effective for treatment of cancer, in particular, skin cancer. The herbal composition comprising Aloin in an amount in the range of 18 wt. % to 22 wt. %, Quercetin in an amount in the range of 18 wt. % to 22 wt. %, Rutin in an amount in the range of 18 wt. % to 22 wt. %, Palmatine in an amount in the range of 18 wt. % to 22 wt. %, and Stigmasterol in an amount in the range of 18 wt. % to 22 wt. %. The herbal composition is employed for treatment of skin cancer and is orally administered in an amount in the range of 300 mg/Kg to 500 mg/Kg of body weight three times per week for a time period in the range of 15 weeks to 20 weeks.