

REPUBLIC OF SOUTH AFRICA



REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

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

Amar Kumar Barik; Subash Chandra Sahoo; Dulal Chandra Das

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

2023/01491

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

In testimony whereof, the seal of the Patent Office has been affixed at Pretoria with effect
from the 31st day of **May 2023**

A handwritten signature in black ink, appearing to be 'D. H.', written over a dotted line.

Registrar of Patents

