

26th February 2024

To Manager (CRD) **Bombay Stock Exchange Ltd. (BSE)** P.J. Towers, Dalal Street, Mumbai 400 001

Ref: Script Code- 516064 Sub.: Grant of Patent Manager (CRD)

National Stock Exchange of India Ltd. (NSE)

Exchange Plaza, Bandra Kurla Complex

Bandra (E), Mumbai - 400051

Script Code- ARROWGREEN

Dear Sir,

We are pleased to inform you that the Company has been granted the Patent Titled: "A System and Method of Preparing A Cold Water Soluble Film for Delivering Heat Sensitive Active Ingredients" for the territory of the India under the provisions of the Indian Patent Act, bearing Patent No. 512862 was granted on the 20th of February 2024. A note and a certificate on the same are attached.

Thanking you,

Yours faithfully,

For Arrow Greentech Limited

Poonam Bansal Company Secretary



ARROW GREENTECH LTD CIN No.: L21010MH1992PLC069281



Announcement of Grant of "A System and Method of Preparing A Cold Water Soluble Film for Delivering Heat Sensitive Active Ingredients " Patent in India

Arrow Greentech Limited (AGTL) has received a grant for patent titled "A System and Method of Preparing A Cold Water Soluble Film for Delivering Heat Sensitive Active Ingredients" Patent No. 512862 dated on 20th of February 2024, for the territory of the India under the provisions of the Indian Patent Act, Certificate is attached.

IP Cell has informed, 'The present invention, relates to, a water soluble film, more particularly a it relates to a cold water soluble film and the process of preparing such cold water soluble film for the purpose of and having the capacity of delivery of heat sensitive active ingredients. The present patented invention also relates to a method and system for preparing batches of the above mentioned cold water soluble film. The invention uses a novel way of producing heat sensitive actives, like, but not limited to Pharma and health ingredients, for eventual delivery to desired location, like tongue or a wound, as an example.

APPLICATIONS OF THE PATENT:

Water-soluble films have a diverse range of applications, including use in pharmaceutical films, packaging, edible films, formulation, and food product strips. The cold-water-soluble film formed can be applied in various ways, such as pharmaceutical films like mouth dissolving strips, mouth-melting strips, oral disintegrating films (ODS), and packaging. Its ability to preserve heat-sensitive actives without degrading its active potency, makes it particularly suitable for the pharmaceutical, health and hygiene, including cosmetic industry.

The present invention aims to provide a cold-water-soluble film for diverse applications. This includes embedding substances like detergents, enzymes (which are otherwise sensitive to harsh chemical environments and/or are temperature sensitive; softeners, perfumes, agrochemicals (pesticides, fungicides, herbicides, weedicides, insecticides), agro nutrients (urea, fertilizers), dyes, pigments, hazardous chemicals, fluff, pulp, and absorbents used in diapers. The film allows for precise and desired dosages when delivering these substances, making it versatile for unit dose packaging of detergents, agrochemicals, water treatment chemicals, food ingredients, formulations, pharmaceutical drugs, and dves.

It shall be Arrow Greentech Limited's on-going endeavor to commercialize these patents appropriately. Arrow firmly believes in protecting it's Intellectual Property and respects IP grants of other inventors.

Safe Harbor Statement

This announcement contains forward-looking statements. Arrow may also make forward-looking statements in our periodic reports to the Stock Exchanges as per prevalent rules and in its annual report to shareholders, in its proxy statements, in its offering circulars and prospectuses, in press releases and other written materials and in oral statements made by its officers, directors or employees, to third parties. Arrow assumes no obligation to update the forward-looking statements in this release and elsewhere. Statements that are not historical facts, including statements about our beliefs and expectations, are forward-looking statements. Forward-looking statements involve inherent risks and uncertainties. A number of important factors could cause actual results to differ materially from those contained in any forward-looking statement.



ARROW GREENTECH LTD

CIN No.: L21010MH1992PLC069281







دی انٹیلیکچولپر, அறிவுசா**पेटेंट**न**प्रमाण**

बोद्धिङसंपद्यानुंडायविय, भारतसरहार, का पेटेंट कायोलय, भारत सरकार का The Patent Office, Government Of India Patent Certificate

बौद्धिक सम्पत्ति कार्यालयं, भारत सरकार, س ्पेटेंट नियमावली का नियम والمُنادِية (Rule 74 of The Patents Rules) في المنافق الله المنافق الله المنافقة الله المنافقة المن

पेटेंट सं. / Patent No. मनवान, Формая G2000 bakona 5128620.0, Фыльяло Кольяль, बौद्धिक संपदा चा कार्यालय, भारत सरकार,

യിരെ ସରକାର, آفس آف دی انٹیلیکچولیراپرٹیگورنمنٹ آف انڈیا ,அறிவுசார் சொத்து அலுவலகம், இந்திய அரசு, ت جو

आवेदन सं. / Application No. पति कार्यालयं, भारत ःरकार 202021003458 اتليكچونل برابرئي, మధో సంపత్తి కార్యాలయము, భారత

फाइल करने की तारीख / Date of Filing

26/01/2020 संपदा दफ्तर, भारत सरकार, वौिद्धक जम्भून कार्यालय जात

पेटेंटी / Patentee

प्रमाणित किया जाता है <mark>कि पेटेंटी को, उपरोक्त</mark> आवेदन में यथाप्रकटित A SYSTEM AND METHOD OF PREPARING A COLD WATER SOLUBLE FILM FOR DELIVERING HEAT SENSITIVE ACTIVE INGREDIENTS. नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जनवरी 2020 के छब्बीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A SYSTEM AND METHOD OF PREPARING A COLD WATER SOLUBLE FILM FOR DELIVERING HEAT SENSITIVE ACTIVE INGREDIENTS. as disclosed in the above mentioned application for the term of 20 years from the 26th day of January 2020 in accordance with the provisions of the Patents Act, 1970.

बौद्धिक संपदा कार्यालय. भारत सरकार, घेंपिव मेंपेडी ਦਫਤਰ, ਭਾਰਤ ਸਰਕਾਰ, ወ১೪岛ନ G2৫৯৫ bନ\෭%.४ b%৯১%।ൽ, Ф७%৯%। ए०%७%, ब्रा

भारत सरकार, Intellectual Property Office, Government of India. (वौद्धिक সম্পত্তিৰ কাৰ্যালয়, ভাৰত চৰকাৰ, बौद्धिक संपदा दफ्तर, भारत सरकार

20/02/2024 Date of Grant



टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जनवरी 2022 के छब्बीसवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी। Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 26th day of January 2022 and on the same

सरकार, घेंपिव मेंपेडी स्ढेंड, बार्चे मठवार, Ф५%३७ G2000 b7ए७.३ b७৯५७००.c, Ф८७৯७७० ४७३५७०, बौद्धिक संपदा चा कार्यालय, भारत सरकार, ବୌଦିକ धर्मा