Re-leaf paper

Ukrainian start-up produces sustainable paper products from fallen leaves

Production of paper from fallen leaves.

RE-leaf scales the process of pulp production, which is based on the use of fibre from fallen leaves and in the future other types of fibre from agricultural waste. RE-leaf significantly reduced energy consumption due to a simplified method of fibre extraction, water consumption was reduced by 15 times and all processes are based on the use of chemical reagents free of sulfates, sulfites and chlorine, compared to conventional pulp production processes. The product created brings what was once considered waste back into the economic cycle and is itself recyclable. This provides RE-leaf customers with a guarantee that the company is not sourcing from controversial sources.

RE-leaf PAPER is made of fallen leaves coming to the enterprise from cities. This makes it possible to solve the problem of the utilization of plant waste in the urban ecosystem and preserve the integrity of forest ecosystems.

Started in 2017 as idea of the Ukrainian school pupil Valentyn Frechka, in 2019 a patent was obtained for the technology of recycling leaves with the subsequent production of paper. In 2020 RE-Leaf PAPER Research and Production Enterprise Limited Liability Company was set up, it moved from the laboratory to an industrial enterprise. The company was included in the list of members of the Enterprise Europe Network.

The products include:

- Re-leaf paper
- Re-leaf bag - leaf fibre combined with waste paper

- Re-leaf trays for packaging of food

Детальніше

Виклик вирішено

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Домен

Деревообробна промисловість, біо / циркулярна економіка

Дослідження й розробки

Тип рішення

Розумні матеріали

Ключові слова

renewable

paper

leaves

Цифрові рішення

ні

Інновація

Так

Країна походження

Україна

Масштаби застосування

Транскордонний / багатосторонній

Початок і кінець року

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Контактні дані

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Краща практика розроблена в рамках проекту

Rosewood 4.0

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