

HEALTHIER CIGARETTES FOR HEATED TOBACCO PRODUCTS (HTPS)



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ABSTRACT

The *Pyrolysis and Polymer Processing* research group at the University of Alicante has developed a cigarette to be smoked in Heated Tobacco Products (HTPs) that emits less toxic products for the smoker. It is characterized because it allows a selective reduction of nicotine, it maintains the pleasant sensation of the conventional smoking process, and the manufacturing cost is very low.

We are looking for companies interested in acquiring this technology for commercial exploitation.

TECHNOLOGY ADVANTAGES AND INNOVATIVE ASPECTS

ADVANTAGES OF THE TECHNOLOGY

The new cigarettes to be smoked in Heated Tobacco Products (HTPs) are characterized because:

- 1) They emit **less toxic products for the smoker**, and therefore, it is reduced adverse effects of tobacco.
- 2) They allow a **selective reduction of nicotine**.
- 3) They maintain the **pleasant sensations** produced by conventional products.
- 4) They have **low manufacturing cost**.

INNOVATIVE ASPECTS OF THE TECHNOLOGY

This is the first time that **catalysts** have been incorporated in Heated Tobacco Products (HTPs), which means **exposing tobacco to temperatures** (250-350°C) **without producing combustion**, well below temperatures usually reached during the process of smoking conventional tobacco (800-900°C).

MARKET APPLICATIONS

This technology is part of the general field of **tobacco**.

In particular, it refers to a **cigarettes** to be smoked in **Heated Tobacco Products (HTPs)**.

COLLABORATION SOUGHT

We are looking for companies interested in acquiring this technology for **commercial exploitation** through **licensing agreements**.

Company profile sought:

- Tobacco companies.
 - Tobacco filters manufacturers.
 - Catalyst manufacturers.
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