



HIGH PERFORMANCE ETHANOL PRODUCTION FROM GRAINS OF STEAMED CEREALS

High performance process for bioethanol production



BACKGROUND

There is a growing trend in the world for the development of alternative energy sources for oil. The process of obtaining ethanol from cereals is well established, however, the use of certain cereals as raw material is limited both by their main use as human food and/or by the low yields that are obtained during the process of alcoholic fermentation.

TECHNOLOGY

The technology proposes a process to produce ethanol from grains such as sorghum or corn. What differentiates this invention is that it conditions the grains at the beginning of the process (steam laminating), resulting in a process with reduced costs and processing times. In addition, the process eliminates certain stages of the procedure that reduce the energy consumption thereof.

KEY BENEFITS

- Process yield: 400 L of ethanol / ton of processed sorghum
- Can be adapted to a conventional steam roller used in the livestock industry
- Reduces energy consumption.

DEVELOPMENT STATUS

The technology has been tested with different types of grains (sorghum and corn)

Technology Readiness Level: 6/9

INTELLECTUAL PROPERTY

Patent: MX 337878

This technology is available for licensing. More opportunities on our website: <http://redottec.com>



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