SMART PAN FOR INDUCTION COOKTOP

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Priority Date	*27/07/2016*
Protection	*IT 10201600007991* *EP17755252.8*

What it is needed for?

An innovative smart pan for induction cookpot is the object of this invention. The pan consists of internal layer made of ferromagnetic material and the external coating made of insulating material such as wood or silicon.

This smart pan is safe and efficient due to the coating material that prevents overheating and does not dissipate heat. Moreover, it is amenable to the integration of a smart electronic system, that would allow the pan to be connected to other devices, such as a mixer or a pressure lid, that would be powered by the induction cookpot itself. The smart system would also allow the precise and accurate control of parameters such as cooking temperature, time, and pressure. Finally, due to the use of a particular type of wood as coating, it would also be a unique design element.

Automation and domotics are increasingly taking a leading role in the smart home sector. In this scenario, the invention represents an efficient, safe and advanced solution aiming to take a central role in the smart kitchen.

Advantages

- *Increased home safety*
- *Increased energy efficiency*
- *Precise control of cooking parameters*
- *Can be integrated with electronic smart devices*
- *Remote control*

Applications

- *Smart pan*
- *Induction cooking*
- *Smart home*

TRL scale

1	2	3	4	5	6	7	8	9

Chemistry, Physics, New Materials

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