

# Device for noninvasive estimation of time of death

- Accurate estimation of time of death (TOD) for forensic medicine
- Non-invasive estimation of central brain temperature for TOD estimation: high reliability and low inter-individual variability

## KEYWORDS

Forensic medicine  
Medical device  
Noninvasive  
thermometry

## PATENT

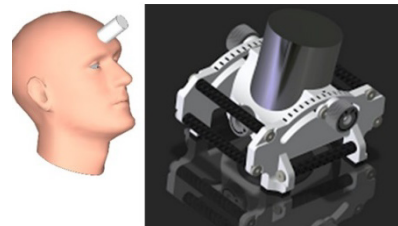
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## INVENTORS

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## TECHNOLOGY

A head-mounted ultrasonic transducer analyses the evolution of central brain temperature during a variable time lapse (less than 30min). As soon as the estimation is accurate, time of death is approximated with a precision down to one hour.



head-mounted device

## APPLICATIONS

- Time of death measurement directly on crime scenes
- Simple to use : can be used by coroners, police officers or any first-aid team

## ADVANTAGES

- Most accurate estimation of time of death for recent death (< 48h)
- Noninvasive, nondestructive and completely external
- Robust and easy to use
- Very limited dependence of the TOD estimate on morphology or clothing

## DEVELOPMENT STATUS

- Patent application pending
- Proof of concept realized: portable device currently being tested
- Technology available for licensing

Partnership : Seeking partners to license the technology

## CONTACT

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