

Semiconductor device and method for manufacturing a semiconductor device

What: *Asset acquisition, assignment of patent*

For whom: *Strong development & marketing partner in this field*

Technology

- New semiconductor device and a method to produce such a device, which can combine the performance and the economical advantages of AlGaIn/GaN FETs with the unique electrochemical properties of diamond to enable ChemFETs with corrosion robustness, a long life-time in many environments and a wide range of applications, which include harsh environment, oxidizing and corrosive media or anodic over-potential conditions.
- Benefits for assignee
 - Full control over patent in Ep, US and JP
 - Technology and market securing
 - New cost-effective Sensor with integrated electronic signal processing

Innovation

- With the combination of diamond and AlGaIn in a FEET it is possible to produce sensors for chemical analysis.
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Application

- Application in industrial, chemical processing

Developmental Status

- Lab tests, and Prototype

Responsible Scientist

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Branch

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Patent Status

EP, US, JP patent application pending

Reference Number

PVAUlm517

Status: Nov-12



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