General Electric Global Research

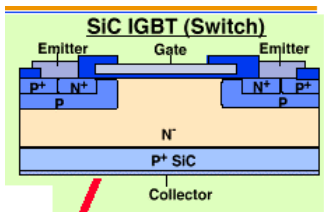
Company Information

GE Global Research

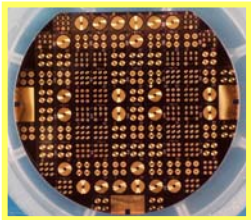
- 1700 employees in US
- Groups in
  - WBG mat'ls/devices
  - Device reliability
  - Packaging/modules
  - Power circuits/systems
- 25,000 sf clean room

imagination at work

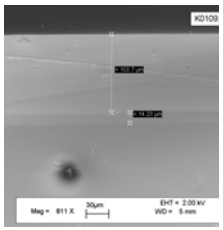
Previous Relevant Accomplishments



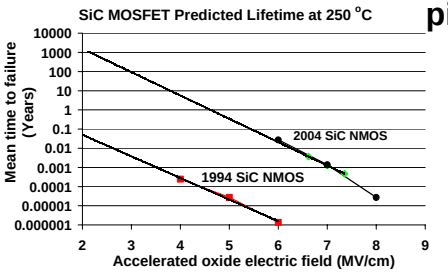
First SiC IGBT



>5kV 4H-SiC pin diodes

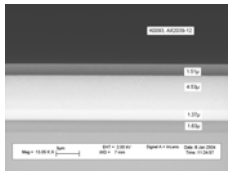


110 μm 4H-SiC epi

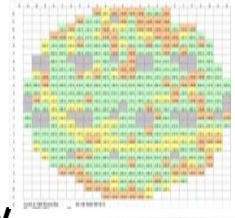


Stable and reliable oxide

Module Packaging



Area of Expertise
(related to the BAA)



Solid State Power Substation Topology

Materials Extensions (SiC Epi)

SiC Device Design/Fabrication/Testing

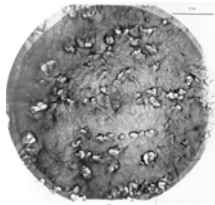
Materials/Device Correlation

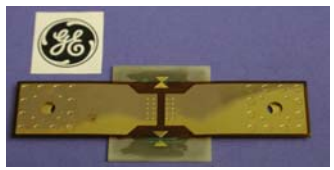
Switch Extension/Technology Extensions

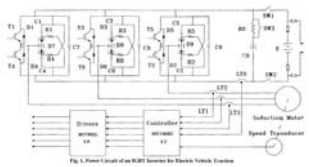
High Performance Modules and Packaging

Component & System Reliability

System Impact Study and Cost Model







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