



## Graphic Processor Unit With Improved Energy Efficiency

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### The Invention

A GPU architecture employs a crossbar switch to preferentially store operand vectors in a compressed form allowing reduction in the number of memory circuits that must be activated during an operand fetch and to allow existing execution units to be used for scalar execution. Scalar execution can be performed during branch divergence.

#### Tech Fields

- [Information Technology : Hardware](#)

For current licensing status, please contact Jeanine Burmania at [jeanine@warf.org](mailto:jeanine@warf.org) or 608-960-9846