Circuit for Dynamically Modifiable Signal Processor

Technology #m01-008

“Name of the inventor: Laszlo Toth Signal Processing System Input Signal with In-Band and Out-Band
Component Description: Techniques for the implementation of a signal processing circuit which expands the
dynamic range of the signal processing circuit is described. The technique does not interrupt the output of the
circuit. Optimal Signal Processing and Signal Strength for Energy Efficiency The method and system include a
signal processing system whose input signal has an in-band component and an out-band component. Each one
of the signal processing circuits are adapted for optimal processing of input signals over a different range. A
signal strength detector is coupled to the output of the signal processing circuits. The signal strength detector
provides a switch control signal to the switch input coupled to the signal processing circuits.

The system operates in an energy-efficient manner without interrupting the output of the circuit or causing
distortion.”

Inventors

Yannis Tsividis