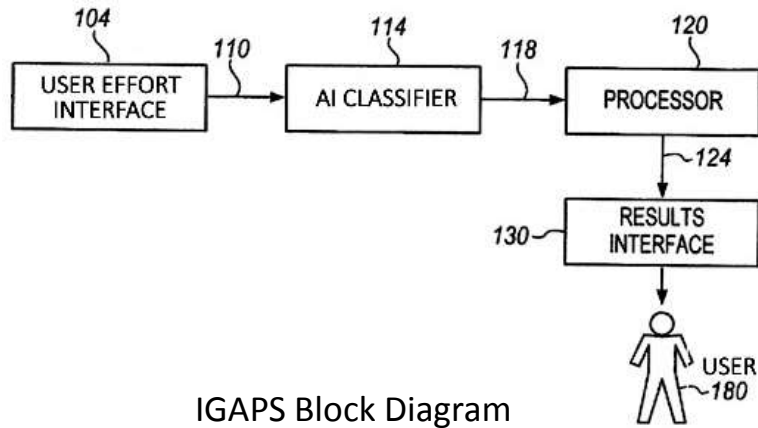




User Effort Interface
6.5THz Array

Intelligence Gathering and Processing System (IGAPS)



IGAPS Block Diagram

Operational Capabilities

Users' mental efforts are processed to provide information not available using traditional information sources and computers. Questions are first parsed into sub-questions having two possible answers, represented by "1" or "0"

- Performance is measured by Responsivity: the fraction of a user's efforts providing a correct result vs that user's total efforts.
- System works best when operated by one or more trained users.
- System can be made small/light enough to be fully portable.
- Interfacing is with a computer or specialized I/O device.

Technical Approach

- Users' focused efforts are processed by novel hardware to provide an increment of data that composes the answer.
- User efforts take 1 to a few seconds to contribute to an answer.
- The system takes too long to produce correct answers. This issue will be overcome by reducing dimensionality of the Interface output, real-time machine learning or other AI classification methods and Bayesian analysis to combine results of efforts.
- This approach can also analyze and use data from classical sources, such as Internet, Social Media and data bases.

Development/Team

- The Principle Investigator is Scott A. Wilber, serial entrepreneur, 12 issued patents, multiple published peer-reviewed papers.
- Our system has testable User Effort Interface hardware, prototype real-time (rapid) machine learning and simple Bayesian analysis.
- Substantial development of software components is required for practical Intelligence Gathering, question answering and Group Decision Making.