Sorting is one of the key problems in data processing. Many sorting algorithms have been modified for multiprocessor or multicore systems, but their speedup can at best be the number of processors or cores in the system. Sorting can also be done in distributed systems, but the communication delays form a significant component in overall time. A method to utilize a GPU-like new processor, Parallel Bubble Sorter (PBS) for various large sorting problems is presented.

Parallel Bubble Sorter
Parallel Bubble Sorter (PBS), is specialized only for sorting problems. It contains a very large (e.g., billions or even trillions) set of special processors to do sorting in linear time, and therefore dramatically increases the speed and scalability of data sorting.

### Key Publication

### Patents
FI20185206 patent application is pending in Finland

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