

Offering--Patents & Knowhow for Parallel Processing Computer Systems with Increased Efficiency & Reduced Power Consumption

Product

The patents and technology in the offering relate to improving efficiency for Big Data analytic networks. Big Data applies to data sets that are so large or complex that traditional data processing application hardware and software are inadequate to deal with them. Advanced analytics are used with Big Data to extract value and are being used by a wide range of businesses, governments and scientists.

Background

Cognitive's innovation has identified a coprocessor architecture, called **Smart Memory**, which integrates with standard Linux servers and aligns with the massively parallel computation strategy used in Hadoop networks. Cognitive's solution further extends the Hadoop imbedded design philosophy, which is to bring the program to the data. Cognitive's approach emerged from a focus on Hadoop MapReduce applications that would be prohibitive using commodity server technology, and certain design aspects of Cognitive's solution run contrary to core principles in computer architecture that form the backbone of the present server industry. The approach substantially improves power efficiency and Big Data analytic solutions.

Asset Details

Ten (10) issued U.S. Patents, one (1) open U.S. Application, five (5) Non-U.S. filings. In addition to the U.S. and foreign patents, substantial knowhow is part of the offering.

Marketplace

Frost & Sullivan has estimated that **90%** of the world's data has been created in the **last two years**, which is an astounding growth rate, and this is expected to continue in coming years. In today's world, data sets grow rapidly, in part because they are increasingly gathered by cheap and numerous information-handling mobile devices, IoT networks, aerial sensing, software logs, cameras, microphones, RFID networks and wireless sensor networks, to name a few. Importantly, since Big Data and analytics solve difficult problems in the real world, and the future is very robust and vibrant.

Inventor

All of the subject patents were invented by Cognitive Electronics founders Richard Granger and/or Andrew Felch. Cognitive was founded in 2008 by Felch, Granger, along with Mac Dougherty and Gregg Fairbrothers. It was inspired by Andrew and Rick's knowledge of human brain algorithms, developed by Andrew while a graduate student at UC-Irvine, and then when both were professors at Dartmouth College. Andrew set out to design a co-processor that leveraged insights from neuroscience to achieve dramatically superior performance. Cognitive's approach was to create a software programmable co-processor that runs existing applications. Such a coprocessor has substantially improved power efficiency and enables vast improvement in Big Data analytic solutions.

Sales Package

Two of the offered patents are subject to a very limited encumbrance and the rest have no such limitation. This is a rare opportunity to acquire patents in an emerging technology space, which will continue to show robust growth for many years to come. A Sales Package is available which will provide much more detailed information on the above topics. Please also note that the assets are being sold as part of a Chapter 7 Bankruptcy proceeding.


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