

PRESS RELEASE

Patent for sensorless motor drive technology greatly improves the robustness of sensorless motor control.

February 2, 2007

Waterloo, ON – Agile Systems, a world leader in the design, development and manufacturing of advanced motion control technology, announced that it has been granted the first in a series of 5 patent pending applications for control of electric motor products by the US Patent & Trade Office (USPTO). This initial patent covers the removal of the noise induced by the motor allowing a clean back EMF signal, which then is used to obtain optimal commutation. When the clean back EMF signal is used with Agile’s sensorless algorithm the results are 100% start up reliability and improved low speed control.

Chris Butlin, Agile Systems VP of Engineering noted, “this new breakthrough technology will allow for more robust running of the motor, increasing motor speed and efficiency. Permanent magnet motors that induce a lot of noise from saliency can greatly benefit from this technology by being able to acquire a clear back EMF signal where formally this saliency would contaminate the back EMF signal. .”

The BLDC sensorless motor market is an extremely fast growing market and Agile Systems have been pioneers at designing electronic control drives for this marketplace. This exciting new technique has improved Agile’s sensorless technology and has opened up applications that were not practical with traditional sensorless control.

President and CEO, Ralph Steedman stated, “Agile Systems strives to stay ahead of the pack by focusing on innovative design of compact drives and motion controllers. Patent awards provide formal recognition for technological advances that are very important to us”.

About Agile Systems

Agile Systems is a global leader in the design and manufacture of energy-efficient electronic controls for electric motors. Agile’s compact digital motion-control solutions are used in robotics, semiconductor production, and in life sciences and factory-automation equipment. Other vertical markets include HVAC, consumer white goods, and automotive industries. Agile Systems is headquartered in Waterloo, Ontario, with sales representation around the globe.

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