



Torvec Expands Patent Protection to Mexico

([PRWEB](#)) April 29, 2000 -- Extending "Moat" Around Technology Portfolio Receives First Orders from Redesigned <http://www.Torvec.com>

ROCHESTER, N.Y., April 27 /PRNewswire/ -- Torvec, Inc. (OTC Bulletin Board: TOVC), developer of advanced and fuel-efficient automotive technologies and the Fast Tracked Vehicle, today announced that it has been granted patent protection for its lightweight hydraulic pump and motor assembly in Mexico. The Company also announced that has received orders for the Fast Tracked Vehicle from its newly redesigned web site <http://www.torvec.com>.

Keith Gleasman, President of Torvec, said, "We continue to extend the moat that protects our inventions. Each of these advances is critical to our vision of Torvec's Fast Tracked Vehicle. One day you'll be able to lift the hood of the FTV and find our infinitely variable transmission, powered by our hydraulic pump and motor, which is made possible by the spherical gearing in our CV joint. The Torvec portfolio is a fully integrated set of advancements that makes the FTV a unique, energy efficient vehicle."

Mr. Gleasman continued, "Torvec is now receiving orders for the FTV on our newly redesigned web site. Since developing countries are a significant market for the FTV, our ability to receive orders electronically is a big plus. E-commerce helps bridge the gaps in geography, helping us reach buyers in the remotest corners of the earth." Torvec encourages interested parties to visit <http://www.torvec.com>.

Torvec now has patents for its Hydraulic Assembly in Mexico, the United States, Japan, Korea, Canada and Australia. A patent is pending in Brazil. Torvec has been advised that its patent has been allowed in Europe and expects an official patent to be issued later this year. The Company plans to register its European patent in several markets.

Torvec's patent portfolio is the result of Torvec's efforts to develop the FTV(TM). While each of Torvec's patented inventions can stand alone and has separate market opportunities, all can be used to improve the commercial competitiveness of Torvec's FTV.

Following is a discussion of the Company's core technologies:

The Fast Tracked Vehicle brings its own road with it - making it ideal for unpaved areas comprising most Asia, Africa and South America. The FTV steers as easily as a car, since it incorporates Torvec's patented STEER DRIVE. The FTV smoothly navigates the roughest terrain off-road, can reach highway speeds on paved roads, and leaves no ruts due to its very low ground pressure. Given its wide application and low cost to manufacture, the FTV could be very useful to the military, agriculture, mining, timber and the general consumer markets.

Torvec's plans for the FTV include its INFINITELY VARIABLE TRANSMISSION, which provides an uninterrupted drive through an infinite number of geared speed ratios, as opposed to the limited number of stepped gears in today's transmissions. Torvec's IVT does not require a torque converter and is not horsepower limited. This transmission will improve the fuel efficiency of all types of engines -- gas, diesel, electric and hybrid - because it allows the engine to run at a constant r.p.m. of approximately 2x idle rate. Torvec has manufactured and tested earlier models of this transmission and proven them to increase fuel economy. Torvec's transmission has almost 300 fewer parts, is smaller and significantly lighter than a standard automatic



transmission, and is less expensive to manufacture.

Torvec's transmission is possible, in part, through Torvec's patented lightweight HYDRAULIC PUMP AND MOTOR assembly. In the past, hydraulics were not acceptable for use in cars and light trucks because of their excessive noise, heat and weight. Torvec's infinitely variable transmission has none of these disadvantages. Using Torvec's hydraulics, its transmission weighs 25 to 75 lbs. less than current transmissions, depending upon engine size.

Torvec's hydraulic pump and motor assembly incorporates the Company's CONSTANT VELOCITY JOINT which has true infinite gearing based on Torvec's proprietary SPHERICAL GEARING assembly. CV joints are essential to steering mechanisms and other flexible coupling applications which Torvec estimates comprise a \$15 billion market annually. The primary advance of Torvec's CV joint is its reduced unit size, weight and manufacturing cost. Additionally, Torvec's CV joint technology has constant gearing speeds through an 80 degree range, as opposed to the 5 to 15 degree range of today's CV joints.

Torvec, Inc., based in Rochester, New York, is a developer of highly advanced automotive technologies and the FTV.

This press release contains forward-looking "Safe Harbor" statements based on current expectations. These are subject to the risks and uncertainties outlined in the Company's 10-KSB statement for the fiscal year ended December 31, 1999. These also include the Company's ability to develop and negotiate joint venture agreements and to commercialize its patented technology. The pre-production prototype FTV that the Company has produced, and the FTVs offered for advance ordering on www.torvec.com, do not incorporate the Torvec Infinitely Variable Transmission or its subcomponents.

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