

**WHAT IF YOUR CAR COULD GET FOUR OR FIVE TIMES THE GAS MILEAGE IT GETS NOW?**

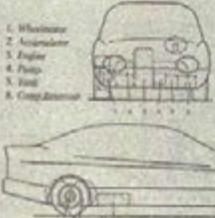
A typical medium-size car today averages only about 23 miles per gallon of gas. But suppose it were able to average five times that amount.

If you drive just 12,000 miles annually, your savings on fuel would amount to at least \$330 every year, with present fuel costs. If you're like most people, these savings would add up to more than \$2,000 during the time you own the car.

So isn't the chance to reap such long-term savings worth the price of a postage stamp?

#### INTRODUCING THE HYDROSTATIC POWER TRAIN WITH ENERGY STORAGE.

Starting in 1982, Valentin Technologies, Inc. began to develop



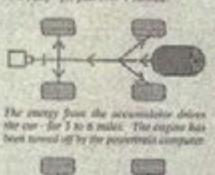
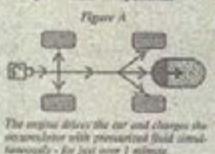
1. Wheelmotor	EE: Test cycle city 30 mpg
2. Accumulator	EE: Test cycle 40 mpg
3. Engine	EE: Test cycle 40 mpg
4. Pump	EE: Test cycle 20 mpg
5. Vane	EE: Test cycle 20 mpg
6. Computer	EE: Test cycle 20 mpg

a new powertrain with the potential to revolutionize driving as we know it.

Yet the vehicles it is being developed for will appear no different from those on the road today. No "space-age" materials or noticeable reduction in the size of the car are needed to achieve such incredibly high fuel efficiency.

Instead, we are developing a new, lighter powertrain to replace the inefficient engines and transmissions used in current automobiles. We call it the Hydrostatic Powertrain With Energy Storage. This fundamental change in powering automobiles can more than quadruple your car's gas mileage. And it can drastically reduce air pollution.

Both the federal government and the State of Wisconsin were impressed enough to invest over \$200,000 in the development of the main powertrain components.



During braking, all the heating energy will be returned into the accumulator.

But if it is to become a reality, we'll need more funding to complete the final stages of development of this

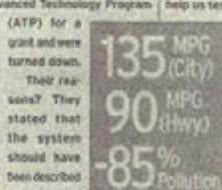
The low fuel consumption and high power of the wheelmotors (100hp) will result in outstanding driving performance.

realm is funding.

We applied to the federal government's Advanced Technology Program

get a few to agree to see a demonstration of our new powertrain, and to help us test the prototypes when they become available.

To date, we've invested over \$500,000 of private funds into this project — exceeding the cost of salaries, labor and interest. The only way to complete it now is to get additional government funding.



**THIS AD IS COSTING US PLENTY, BUT IGNORING IT COULD COST THIS COUNTRY \$45,000,000,000,000.**

This ad is our last attempt to get funding for this powertrain. We believe so strongly in our concept and its importance to the country, that we are risking the only remaining savings we have to try to bring it to reality.

The hydrostatic powertrain has the potential to reduce U.S. oil imports by more than 80% — savings of \$45 billion per year.

# How Much Is It Worth To You To Increase Your Car's Gas Mileage To 120 MPG?

new approach to power automobiles. And your help, it's as easy as filling out and mailing the coupon below.

#### HOW DOES IT WORK?

The biggest masters of energy in today's cars are the brakes and an engine that has to run at various speeds and powers. Every time you apply your brakes you are discarding loads of potential energy. In fact, braking from 50mph to a stop uses as much energy as driving one mile at 35mph.

The hydrostatic powertrain stores this energy from braking and uses it again to power the car. The engine runs only at constant power and speed.

It consists of a small engine, an accumulator to store energy and a wheelmotor in each wheel. The engine with the hydraulic pump charges the accumulator with pressurized hydraulic fluid. This fluid drives the adjustable wheelmotors. During braking, the wheelmotors become pumps and restore all braking energy back into the accumulator. These functions are controlled by the powertrain computer.

See figure "A" Left!

This process leads to drastically improved gas mileage and reduced pollution. Today, a typical mid-size car such as a Ford Taurus or Chevy Lumina averages 20 mpg in city and 27 mpg in highway driving. The new powertrain would improve these to averages of 135 mpg in the city and 90 mpg on the highway.

Please note, the car gets better gas mileage in the city due to less air drag (speed) and high rate of regenerative braking. And again, these figures do not assume the use of any special "space-age" materials. (The size and weight reductions are only a result of the lighter and smaller powertrain.)

**\$1,000**

**\$100**

**\$10**

**WHERE OTHER POWERTRAINS FALL SHORT.**

#### FALL SHORT.

Present powertrains have reached a high degree of maturity. Research data indicate that improvements of even 40% are very unlikely and would result in a sizable increase in the cost of vehicles.

So what about alternative systems that are being developed? The chart at the right gives you a comparison between those systems and ours.

The average car with a 17-gallon tank will be able to travel 2,000 miles on a single tank of gas. And accelerations of 0 to 60 mph in 5 seconds will be possible, too.

The safety and comfort of the car will also be improved noticeably since the power on each

wheel can be controlled fast and easily through the powertrain computer. The function (ABS, 4-wheel drive, traction control, locked differentials and improved dynamic control) are part of the computer software and are included at no additional charge.

In fact, the projected cost of a car with the hydrostatic powertrain will be competitive with conventional cars with ABS, even produced in similar volumes.

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The major stumbling block in making the hydrostatic powertrain a

For the price of a stamp, you can show the government that you favor higher fuel efficiency and a cleaner environment. Simply fill in the coupon and mail it to the address below. All replies will be forwarded to the proper federal institution(s).

**32¢**

#### Please mail to:

VALENTIN TECHNOLOGIES, INC.  
P.O. BOX 510  
BROOKFIELD, WI 53008

I believe the Hydrostatic Drive Train With Energy Storage could revolutionize the way we drive. I support the effort to further existing development, and ask our government to provide the additional funding needed to complete this vital project.

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Don't let this important development disappear in a sea of government red tape. Fill out the coupon below and mail it to us to show your support. If enough people write in, the government won't be able to ignore us.

If you desire more information on this project, send \$2.00 to:

VALENTIN TECHNOLOGIES, INC.  
P.O. Box 510  
Brookfield, WI 53008  
Fax: (414) 821-3910

Thank you,  
Inga Valentin

**PROJECT HISTORY** 1984: Patent application for the hydrostatic motor design. 1984: Patent issued in the USA, Germany and 13 other countries. 1986: First-of-a-kind model successfully tested in California and at the University of Wisconsin. 1988: Funds from the Department of Energy and the State of Wisconsin granted. (\$525,000.00, test phase required). Start of the prototype development. 1991: Patent applied for additional features. USPTO pending. 1992: Manufacturing of first parts for prototype. 1993: Lack of capital stops manufacture of parts. 1995: Applied for funding via the Advanced Technology Program (ATP) with the US Department of Commerce. Total money invested to date is thus \$100,000 (10% of goal) — private equity \$200,000 — Federal Funds: \$100,000 (subcontract, family and friends).