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Inventor feels good vibrations with floor scrubber

By **Chad Halcom**



Glen Moore, former co-owner of Corporate Facility Services LLC in Rochester and now a partner at VacBarrel LLC in Roseville, has sold his first unit after filing a patent application for an anti-vibration floor scrubber (pictured).

the worker.

The floor cleaning device, which Moore tentatively calls FastScrub, is actually the third major approach in cleaning products for his company in just over 10 years.

"The most important thing is that the part where the person grips the handle, that the vibrations don't occur there," he said. "My system reduces the vibrations in the entire machine."

In April, Moore had a patent issued for the vibration-dampening floor scrubber system by the **U.S. Patent and Trademark Office**, said his attorney, Jeffrey Sadowski of Royal Oak-based

Glen Moore sold his contracts and closed his Oakland County cleaning company more than a decade ago, but he hasn't given up trying to ease the workload for janitorial service workers — or commercializing his ideas.

Moore, 70, former co-owner of **Corporate Facility Services LLC** in Rochester and now a partner at **VacBarrel LLC** in Roseville, said that late last year he filed the patent application for an anti-vibration floor scrubber like the kind used to polish tile floors in schools and offices.

This month, he sold the first unit, which he built at a Ferndale maker space, to a Macomb County school district that he declined to identify. Talks are underway with several makers of cleaning equipment about producing and distributing products.

The floor scrubber features a system of rings that attach to the engine or mechanical housing of the machine, with motion isolators to reduce the vibration that carries into the handle and lessen the stress of repetitive motion for

Howard & Howard Attorneys PLLC. VacBarrel has applied to patent variations of the same vibration control in other products, such as a hand-held sander, and those applications are pending, Sadowski said.

Previously, Moore had sought a patent in 2001 and obtained it in 2004 for a DollyVac, which integrates a conventional vacuum cleaner with a garbage container on a dolly cart. In 2011, he patented a backpack-mounted vacuum that connects with a portable cart and recharges its battery.

"We are getting the manufacturing process in order for our floor scrubbers now," Moore said. "We belong to a hacker space, ... and we built our prototypes there using all of their (equipment and some expertise from) members who had skills we did not have."

Moore said he has held one meeting with a cleaning equipment manufacturer about licensing and producing his products, and two more are planned.

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