

Air Suspension Wheels

New technology investment opportunity

Technology Summary

Air suspension wheels substitute inflated tire and solid rubber off-road wheels of heavy duty mining, construction, agricultural, forestry and military wheels, to last as long as the vehicle itself, without puncture, sidewall cut and bullet wound or fire problems. It is all steel, aluminum or fiber reinforced composite structure, having its rigid hub suspended using air cylinders to its stiff rim, which may be covered with rigid or elastomeric road grippers.



Bit.Ly/Airsusp



Pretoria, SA

Special applications include, security and armored wheels, drag racing wheels, run-flat inserts and aircraft landing wheels. The air suspension wheel was tested on dyno pad on SUV and field tested in mines on trucks and equipment. Theory predicts that it can save fuel by rolling with reduced resistance.

Investment Opportunity

The air suspension wheel is patented (US20150090379A1) with world wide right secured by its inventor Dr. Zoltan Kemeny, PhD through his sole proprietary 2014 IP Mgmt. Co., LLC.

Opportunity #1: Licensing on negotiable terms and conditions for specific applications in designated territories worldwide, except in South Africa. Expect upfront flat fee plus royalty stream.

Opportunity #2: Investing in production and sales of air suspension wheels. Expect farming out production to rim manufacturers and sales to wheel distributors. Design and testing may be retained or farmed out at least in part. Dr. Kemeny's 2017 Mfg. Co., LLC may be suitable to start. Dr. Kemeny wishes to offer his design expertise, without insisting upon maintaining substantial control over the technology.

Market Opportunity

The global off-road mining vehicle market exceeds \$ 98bn, which is growing annually by 8% today. The total off-road market, excluding the military, is over 10x larger (about \$ 1 tn). The military market is about half of that (\$ 500bn). The US market is about 25% of the global market in this category.

Considering conservative lowballing estimates of applicability, market penetration and profit margins, the air suspension wheel business can yield \$ 10 bn profit annually, within 5 years of its first market introduction. The intellectual property right protection ensures a 20-year "free ride". Adding more CIP (continuation-in-part) patents—by Dr. Kemeny or by others—may extend that to over 40 years.

More Info

For further information, please contact Dr. Kemeny at 480-628-8151 or at 2014LLC@Cox.Net.



Dr. Kemeny is a structural engineer and a serial inventor. His seismic isolators are standard in the data centers in the ring of fire, which includes the West Coast USA and Asia Pacific. Dr. Kemeny has over 200 patents, most of them licensed. Please find info on his patents with his bio at <http://ZoltanGroup.Com/>.

Picture of Dr. Kemeny is by <http://www.Eliances.Com/>.