High-pressure (low-flow) pump innovation

Title	High-pressure (low-flow) pump innovation
Basic technology outline	Major innovation in pump construction This technology is significant innovation of the construction of the two-stage high-pressure low-flow pump Notable benefits of this innovation is the considerable reduction in overall size and weight sa well as incerased reliability
Technology deployment	High-pressure pump with low flow The innovation is universally applicable everywhere, where the traditional high-pressure and low-flow pump is currently deployed. Additionaly, the pump will be suitable for more challenging usage, where small size, small weight and high reliabiliuty are required. Industrial deployment of the innovated pump is advised, but not limited to the automotive, electro-technical, machine engineering or food-processing sectors. Examples of the use include: • Fluid injection • Lubrication and greasing • Cooling of machining area • Precision substance dozing • Pressure cleaning • Reverse osmosis

Advantages over currently used solutions	Simplified low-maintenance reliable Decrease in size by 50% to currently available pumps Simplified construction Significant weight decrease Significantly less sealing surfaces Less moving parts are components Considerable savings on material costs at production stage Handless solid particles Low maintenance Increased durability
Current status of technology	Patent pending Patent application is ready to be filed Prototype has been constructed and tested
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