Transfer of US and Chinese ADB® patents

Coo Space Co., Ltd. (Tokyo JAPAN, C.E.O: Sosuke Kawashima) is looking for a transferee for the US and Chinese patents for ADB® (Autonomous Decentralized Bearing), a technology that makes balls non-contact without a cage.
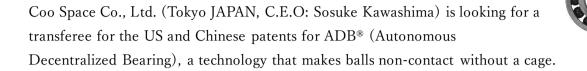
We have sold over 2,000 ADBs so far, mainly by modifying commercially available bearings. As a result, many customers (especially those who were troubled by bearing damage) have confirmed its performance. We have also confirmed that our patents are infringing on turbocharger bearings installed in automobiles and are currently in litigation.

However, we have not been able to make effective use of the foreign patents listed, so we have decided to transfer them. We expect that the transferee will confirm that they are manufacturing, selling, or importing and exporting in the country in question, and will file a patent infringement lawsuit in the country in question. At that time, we will provide as much support as possible, mainly regarding the technical content.

No. Country Pat No. Technology Desired transfer amount

No.	Country	Pat No.	Technology details Desired	Transfer amount
1	USA	8052330	Basic patent for ball bearings	100 million yen
2	USA	8783958	Basic patent for roller bearings	100 million yen
3	China	101680483	Basic patent for roller bearings and angular contact ball bearings	100 million yen

Expected applications

1. High-speed turbocharger bearings for automobiles (similar configuration to that used in Japan may be used)
2. Wind power generation (main shaft/pitch bearings, etc. may have contributed to increased output and reduced breakdowns at VESTAS)
3. Compressors and pumps for producing liquefied hydrogen (may have made it possible to achieve extremely low temperatures that are difficult to achieve with conventional bearings)
4. Seawater-lubricated bearings that do not require grease or seals (JAMSTEC confirmed torque at 1/100)
5. LIB battery manufacturing line that eliminates the risk of contamination with broken retainer pieces (metal) (already adopted for testing)
6. Turbines and heating furnaces that exceed high-temperature limits (ultra-high temperature = solid lubrication, long life = rubber glove molding lines)