

**ASX RELEASE**

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## **Patent Portfolio Update**

### **Patent filed for Terra Dura™ sealed disc brake technology**

#### **Highlights:**

- **Patent has been filed for the Terra Dura™ sealed disc brake technology**
- **Sealed braking mechanism prevents brake particle emissions being released to atmosphere**
- **Sealed braking mechanism enhances safety and extends brake life as brake components are protected from external contaminants that cause premature wear**
- **Sealed braking mechanism improves brake management and reduces risk by providing a controlled operating environment**
- **Sealed brake technology can assist with creating a sustainable braking future**

Advanced Braking Technology Limited (ASX: ABV) ('ABT' or 'the Company') is pleased to advise that it has filed additional patent protection for its Terra Dura™ sealed brake technology.

The Company believes that the technology can assist in creating sustainable transport solutions of the future.

The award of a patent in both Australia and in international jurisdictions is not guaranteed and is subject to a number of application and assessment processes.

#### **ABT has filed formal patent protection for sealed disc brake technology**

As a part of ABT's strategy to continuously innovate and improve its product portfolio, the Company has filed formal patent protection for its Terra Dura™ sealed disc brake technology ('Patent'). This Patent is in addition to previously filed patent applications.

The Patent makes a claim over improving the efficiency of directing external contaminants away from the brake system whilst at the same time increasing the operational efficiency of the sealed internal brake components.

This Patent is in addition to the current patent for Terra Dura™ which has a claim on the structural component which makes it possible to enclose and seal a disc brake with a lightweight non-structural housing.

The Company is already successfully using existing Terra Dura™ sealed brake technology within the Australian and New Zealand mining industry, however with the design evolution now the subject of the new Patent, we believe that the technology can be incorporated into transport solutions of the future,

not only within mining but within any industry where the protection of the environment and the safety of people and equipment are paramount.

The Company believes that a sealed disc brake mechanism has a number of advantages over traditional disc brake mechanisms for the following reasons:

1. prevents brake particle emissions being released to the atmosphere by protecting the external environment from the internal contaminants;
2. protects the internal environment from any external contaminants which cause premature wear of the braking components, which consequentially leads to improved safety, braking performance and extends the life of the brakes;
3. provides an enclosed environment which improves brake management and reduces risk through controlling the variables to which the brake system is exposed; and
4. reduces the Total Cost of Ownership for shared, autonomous and commercial fleet operators.

With the filing of the Patent, the Company will now be looking to collaborate with other brake industry and transport professionals in developing solutions that will help create sustainable transport solutions of the future.

*ABT CEO, Mr John Annand stated, "the further development of sealed disc brake technology by ABT is an exciting one and firmly places the Company in a position to collaborate with others within the transport industry to address the global environmental concerns of brake particle emissions being released to the atmosphere. With a global desire to create zero emission transport solutions, this technology allows ABT to be part of the solution when designing and implementing sustainable transport around the world.*

*With the rapid pace of development of electric, automated and connected vehicles ABT has the technology that allows it to be involved in the design and implementation of future transport solutions.*

*Furthermore, sealed brake technology greatly improves braking performance over traditional disc brakes when they are exposed to harsh operating environments by eliminating premature wear from abrasive and corrosive contaminants, thereby improving the Total Cost of Ownership across vehicle fleets.*

*We look forward to keeping shareholders informed of our progress as we align the Company with innovative transport providers and stakeholders that share the same vision as ABT".*

**- ENDS -**

**For further information, please contact:**

Mr. John Annand  
Chief Executive Officer  
T: +61 (0) 8 9302 1922

Mr. Tony Van Litsenborgh  
Engineering Manager  
T: +61 (0) 8 9302 1922

[www.advancedbraking.com](http://www.advancedbraking.com)

**About Advanced Braking Technology**

Advanced Braking Technology Ltd (ABT) designs, manufactures and distributes its innovative braking solutions worldwide. From its head office in Perth, Western Australia, ABT continues to develop its product portfolio for a diverse range of industries that have a strong requirement for safety and environmental responsibility, including the mining, defence, civil construction and waste management industries.

ABT's innovative braking solutions are well known for their unparalleled safety, improved productivity, zero emissions and durability in the world's harshest conditions. As its reputation has grown, demand for ABT's brakes has expanded internationally with its braking solutions being used in all 7 continents across the globe.