

## RELEVANT PATENTS

- 2022 "Self-adjusting height protective casing with thermal protection for monitoring sensors for wear elements in large-scale mining". Application N° in January 31, 2022-  
Presented: Chile  
In process: Chile  
Licensed to a company, product currently entering the market.
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- 2021 "Dispositive, System and Method for Autonomous Monitoring of Wear Element of Earth Moving Machines that allows to follow and detect installation/reinstallation and detachment/uninstallation based on four main states of operation". Application N° 202100688 in March 09 2021.  
Presented: Chile  
In process: Chile  
Licensed to a company, product currently entering the market.
- "Kit, system and method for remote, autonomous, real-time monitoring of wear in bushings of earthmoving machines, preferably in the bucket ear of mining shovels". Application N° 202101477 in June 04 2021.  
Presented: Chile  
In process: Chile  
Licensed to a company, product currently entering the market.
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- 2019 "Portable field applied magnetometer for detecting magnetic signals from samples"  
Application No. 050165, in December 30, 2019.  
Presented: Chile  
In process: Chile  
In the process of being transferred to the market.
- "System and method to detect biological analyte, including microorganism, by changing the magnetic properties of substrates with superparamagnetic nanoparticles".  
Application No. 050164, in December 30, 2019.  
Presented: Chile  
In process: Chile  
In the process of being transferred to the market.
- "Reusable filter for liquids, screw cap, hollow body with a plurality of baffles with varied geometry that are projected internally from the mantle, forming a unique piece together with a perforated base, and filling material filter, useful in devices or appliances for the supply of filtered liquids".  
Utility model: 744/2019, Chile
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- 2016 "An autonomous monitoring system using magnetic field variation, which allows predictable, preventable, and real-time detection of uncrushable material, such as metal and / or material from "old mining" or previous tasks and / or parts or pieces of equipment"  
Application No. 3404, in December 30, 2016.  
Presented: Chile, USA, Canada, South Africa, Australia, Peru.  
In process: Chile, Peru, Australia, Canada.

Awarded to date: USA, South Africa.  
Licensed to a company, product currently entering the market.

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2014 "High-density magnetic storage medium."  
Application No. 3384, in December 10, 2014.  
Presented: Chile and Brazil.  
Awarded to date: Chile  
In process: Brazil.

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2009 "Magnetization procedure of natural and synthetic aluminosilicates"  
Application No. 2229 in December 29, 2009.  
Presented: USA, Chile, Europe (EPO).  
Awarded to date: Chile, Europe, USA