

# LUNAR HELIUM-3 MINING, LLC

## PATENT SUMMARY – 071624

01

### Gas Collection System

Patent Description: A method of directing and capturing gases including Helium-3.

- ◆ Patent Date: August 3, 2023
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/230,125

02

### Soil Disrupting System

Patent Description: A method of heating the sub-regolith without standard processing.

- ◆ Filing Date: September 14, 2023
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/368,477

03

### Gas Mining Cover Arrangement

Patent Description: A method of creating a semi-enclosed environment for heating and collecting vaporized gases.

- ◆ Filing Date: October 6, 2023
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/377,275

04

### Directing small rocks around rover

Patent Description: A method of directing rocks around a rover without going under the rover.

- ◆ Patent Date: October 23, 2023
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/382,625

05

### Locating Mining Sites Using Neutron Detection

Patent Description: A method of detecting Helium-3 in regolith using Thermal Neutron Detection.

- ◆ Filing Date: December 13, 2023
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/538,102

06

### Locating Mining Sites Using an Open Mass Spectrometry

Patent Description: A method of detecting Helium-3 in regolith using Mass Spectrometry

- ◆ Patent Date: January 8, 2024
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/406,459

07

### Extraterrestrial Nanosecond Neutron Analysis and Associated Particle Imaging

Patent Description: A method of detecting Helium-3 in regolith using Associated Particle Imaging.

- ◆ Filing Date: April 29, 2024
- ◆ Patent Status: Pending
- ◆ Patent Application Serial Number: 18/648,725

