ISTITUTO ITALIANO
DI TECNOLOGIA

## TITLE

Liquid Engineered Systems For Planetary Exploration

## INVENTORS

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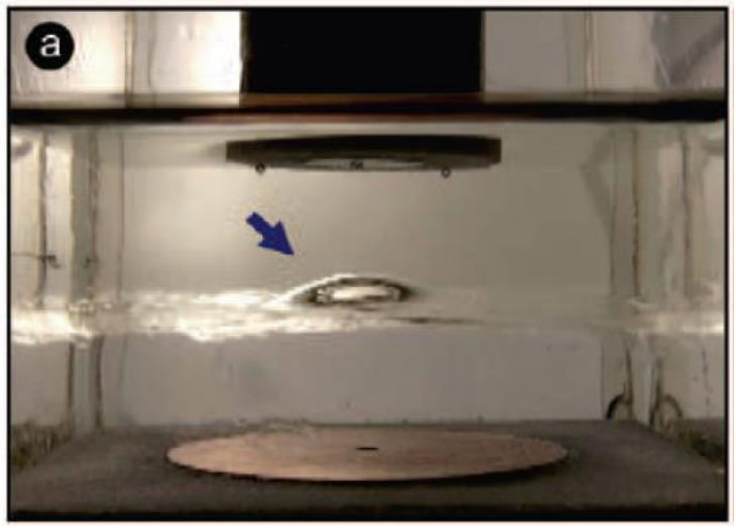
## DESCRIPTION

The invention relates to a Smart Fluid System (SFS) defined as a device based on organic or inorganic liquid, contained inside a volume by surface tension or by a confining membrane that protects them from harsh planetary environment. Such 2smart fluid as a robotic system" has the potential of offering innovative solutions to mobility, sensing, energy-harvesting, and as energy barrier




## APPLICATIONS

Mobility, sensing, energy-harvesting, energy barrier , space

## KEYWORDS

Smart fluid system, organic, inorganic, fluid, membrane, energy, surface tension

## BIBLIOGRAPHIC DATA

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| Liquid Engineered Systems For Planetary Exploration | |
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| Priority Date | January 25, 2016 |
| Applicants | Fondazione Istituto Italiano di Tecnologia, California Institute Of Technology |

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