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Elect Title:

Date:





Received:

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Case No:

Invention Disclosure Form (IDF)

	confidential until the Please include attaspace is needed. For Intellectual Properties	he invention is public achments of all mater For guidance on comp perty and Technology	ly disclosed by the in ial referenced in this oleting this IDF, pleas Transfer at (575) 64	nventor(s) or a Pro IDF and attach ad se contact the Arro 16-4965 or visit	tion in the IDF remains ovisional Patent is filed. ditional pages if more owhead Center Office		
1.	Invention Title	center.org/program/ tive title to identify this inv		<u>/</u>			
2.	Provide a brief, non-co	ial Invention Sum nfidential summary of this urpose, function, and main	invention in laymen's tern		vith potential commercial		
3	Detailed Invent	tion Description					
	Provide a detailed description of this invention. Please include what this invention does, what problems this invention solves, how this invention relates to existing/new processes or machines, how this invention differs from existing technology, and potential applications of this invention. Please sufficiently describe in technical detail to convey a clear understanding of the nature, purpose, operation, and the physical, chemical, biological, or electrical characteristics of this invention. Attach additional information, background documentation, and drawings/figures when submitting the IDF, such as abstracts, thesis/research papers, schematics, sketches, etc.						
4.	Type of Inventi	on					
	☐ Chemistry	☐ Communication	☐ Construction & Infrastructure	□ Consumer Goods	□ Digital Computing		
	☐ Energy	☐ Life Sciences	☐ Machinery	☐ Materials	☐ Mechanical Components		
	□ Medical Technology	☐ Sensors	☐ Vehicles	□ Other:			
5.	Background / Existing Intellectual Property Describe any existing intellectual property (including patents, copyrights, or trademarks) that you or your team developed that relates to this invention.						

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6. Invention History

7.

8.

9.

Invention Conception is when the inventor(s) form(s) a definite and permanent idea of the complete and operable invention. Conception is established when the invention is made sufficiently clear to enable one skilled in the art to reduce it to practice without the exercise of extensive experimentation or the exercise of inventive skill. Include copies, if possible, of all recorded milestones.

History	Date	Details / Comments				
Invention Conception		Has this date been recorded? ☐ Yes ☐ No. Where? Copy Attached: ☐ Yes ☐ No				
First Written Description		Copy Attached: ☐ Yes ☐ No				
First Successful Demonstration		□ N/A - No successful demonstration has been performed				
technology. Each technology project	are a type of me t is evaluated ag	easurement system used to assess the maturity level of a particular ainst the parameters for each technology level and is then assigned a neck next to each TRL that has been achieved with this invention.				
\square TRL 1 - Basic principles ob	served and re	ported				
□ TRL 2 - Technology concept and/or application formulated						
\square TRL 3 – Analytical and exp	erimental criti	ical function and/or characteristic proof-of-concept				
\square TRL 4 - Component and/o	r breadboard	validation in laboratory environment				
☐ TRL 5 - Component and/o	breadboard	validation in relevant environment				
☐ TRL 6 - System/subsystem	model or pro	ototype demonstration in a relevant environment				
☐ TRL 7 - System prototype	demonstratio	n in an operational environment				
☐ TRL 8 - Actual system com	pleted and q	ualified through test and demonstration				
☐ TRL 9 - Actual system prov	en through s	uccessful mission operations				
.,						
Keywords Provide a list of keywords related to	this invention tha	at may be used in a patentability search or commercialization pursuit.				
	es that contribut his invention. At	ted to the equipment, materials, resources, or facilities involved in the tach copies of all internal NMSU grants, awards, contracts, etc. Please				

10. External Sponsorship / Funding

List any external funding sources (including grants, federal awards, contracts, subcontracts, industry sponsors, etc.) that contributed to the conception and/or development of this invention. Describe any obligations to the sponsors, including disclosure responsibilities, reporting, licensing, ownership rights, etc. Attach copies of all grants, awards, contracts, etc. Please include an additional page if more space is needed.

	Sponsorship 1	Sponsorship 2	Sponsorship 3
Funding Type			
Agency/Company			
Contract/Award #			
Funding Amount			
Contact Name			
Contact Title			
Contact Phone			
Contact Email			
Sponsorship Obligations			

□ **N/A** - No external sponsorship / funding contributed to this invention

11. Collaborators, Resources, and Materials

Please identify any third-parties that provided biological materials, data, and/or equipment used in the development of the invention. List all collaborators at other educational / research institutions or companies. Attach copies of all Material Transfer Agreements (MTAs), Inter-Institutional Agreements (IIAs), Joint Development Agreements (JDAs), and any other agreements/contracts from third-parties. Please include an additional page if more space is needed.

	Collaborator 1	Collaborator 2	Collaborator 3
Agreement Type			
Institution / Company			
Contract Number			
Resources / Materials			
Collaborator Name			
Collab. Phone Number			
Collab. Email Address			
Obligations			

□ N/A - No third-party collaborators, resources, or materials contributed to this invention

12. Background Research / Prior Art

List any known Prior Art that relates to this invention. Prior Art may include an invention which was patented, described in an issued patent, described in a publication, or otherwise available to the public prior to the Provisional Patent filing date of this invention. Attach copies, if possible, of all known Prior Art. Please include an additional page if more space is needed.

Details / Comments	Attached?
	□ Yes □ No
	□ Yes □ No
	□ Yes □ No
	☐ Yes ☐ No

or invention. Public Disclosures may	include oral disclo	olic Disclosures include any non-confidential communication of an icosures, distribution or sale of materials or prototypes, public release tc. Please reference <u>Public Disclosure Before Patent Filing</u> for mor
	<u>nter.org/</u> . Attach	copies of all Public Disclosures, including slides for oral presentation
History	Yes / No	Disclosure Details / Venue / Comments
Have there been any publications related to this invention?	□ No □ Yes, on date:	Copy Attached: □ Yes □ No □ N/A NDA: □ Yes □ No □ N/A
Was this invention or any derivative product offered for sale, sold, or used in the public?	□ No □ Yes, on date:	Copy Attached: Yes No N/A NDA: Yes No N/A
Has a manuscript describing this invention been submitted for publication or dissertation?	□ No □ Yes, on date:	Has it has been accepted for publication at the time of disclosure? ☐ Yes ☐ No ☐ N/A Copy Attached: ☐ Yes ☐ No ☐ N/A NDA: ☐ Yes ☐ No ☐ N/A
Was a grant application of this invention submitted for review?	□ No □ Yes, on date:	Copy Attached: ☐ Yes ☐ No ☐ N/A NDA: ☐ Yes ☐ No ☐ N/A
Has a description of this invention appeared online (conferences, abstracts, etc.)?	□ No □ Yes, on date:	Copy Attached: Yes No N/A NDA: Yes No N/A
Was the invention disclosed to the public (poster session, presentation, lecture, etc.)?	□ No □ Yes, on date:	Copy Attached: Yes No N/A NDA: Yes No N/A
Are there any other Public Disclosures not previously mentioned?	□ No □ Yes, on date:	Copy Attached: □ Yes □ No □ N/A NDA: □ Yes □ No □ N/A

13. Invention Novelty

Date Signed NDA Disclosure Details / Venue / Comments

Yes No
Yes No
Yes No

Attach copies of any materials associated with the anticipated Public Disclosure, including slides for oral presentations. Please

include an additional page if more space is needed.

What is the required investment to take this invention to a minimum viable product? How many months are required to take this invention to a minimum viable product? Commercialization Potential Explain the potential commercial applications of your invention and target markets. Please include an additional paspace is needed. Known Competitive Products List all known competitive products and their corresponding companies. Include an additional page if more space in the products and their corresponding companies. Include an additional page if more space in the products and their corresponding companies.
Commercialization Potential Explain the potential commercial applications of your invention and target markets. Please include an additional passpace is needed. Known Competitive Products List all known competitive products and their corresponding companies. Include an additional page if more space in the space i
Explain the potential commercial applications of your invention and target markets. Please include an additional passpace is needed. Known Competitive Products List all known competitive products and their corresponding companies. Include an additional page if more space in the product of
List all known competitive products and their corresponding companies. Include an additional page if more space i
Compositivo Advantagos
Describe the competitive landscape and how this invention provides a unique advantage compared to existing/emesolutions and capabilities, or how it addresses an unmet need. Include any technical / economic advantages this invention provides a unique advantage compared to existing/emesolutions and capabilities, or how it addresses an unmet need. Include any technical / economic advantages this invention provides a unique advantage compared to existing/emesolutions and capabilities, or how it addresses an unmet need. Include any technical / economic advantages this invention provides a unique advantage compared to existing/emesolutions and capabilities, or how it addresses an unmet need.
Licensing Opposituation
List any companies, entrepreneurs, or investors who might be or have expressed interest in commercializing/licensi invention. Please include an additional page if more space is needed.
List any companies, entrepreneurs, or investors who might be or have expressed interest in commercializing/licensi invention. Please include an additional page if more space is needed.

22. Inventors

List the names of everyone who made a significant contribution to this invention. Please list inventor names in the order that they would be published on a patent. If multiple inventors share the same percentage of contribution, traditionally the graduate student is listed first unless there is a preference otherwise. Inventor names should be complete legal names as they would appear on federal identification (such as a passport or license). Employment Status should be the employment status of the inventor at the time the invention was developed, and can include faculty, staff, and student. For students, please designate paid or unpaid graduate or doctoral student/assistant status. Contribution Types may include theory, experimental design, lab bench work, etc. Combined contributions should total 100%. Residential Address must be the address of a residence, not a commercial address. Please include an additional page for additional inventors.

Inventor Information	Primary Inventor	Co-Inventor 1	Co-Inventor 2	Co-Inventor 3
Primary Contact				
Full Legal Name				
Tile / Position				
Department				
University / Institution				
Employment Status				
Contribution Type				
% of Contribution				
Primary Phone #				
Alternate Phone #				
Institution Email				
Alternate Email				
Residential Street Address				
City				
State / Territory				
Postal Code & Country				
Country of Citizenship				

23. Certification and Acknowledgement

By signing below, I certify that the information provided in this Invention Disclosure Form is true, accurate, and complete to the best of my knowledge. I acknowledge and agree to abide by NMSU's Intellectual Property Management and Commercialization Policy https://arp.nmsu.edu/11-05/.

Primary Inventor Signature:		Date:
,	Inventor Name	
Co-Inventor 1 Signature:		Date:
	Inventor Name	
Co-Inventor 2 Signature:		Date:
	Inventor Name	
Co-Inventor 3 Signature:		Date:
	Inventor Name	