## **Carnegie Mellon University**

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Please list additional inventor(s) and relevant information on an additional sheet.

## 3. Description

b. Ú|^æ^Áæææ&@áæá\^œā|^åÁ\$^•&!āļ æļ Á; Ás@Á\$, c\|^&c æḥ.\![]^\c Á Á\$[Á[Á[Á[Á[Á]ç^] c^] óÁœÁ, @^|æʃ] ` à|ã @åÁs) åÐ\Á; ^çā] ` •|^Á, ` à|ã @åÁ\$[&`{ ^} œÁs4^Á;}&[` 'æ\*^åÈÁØ^^|Á;^^Á] æææ&@Á\^œ\$-Æ\$[œÁ\$] ` à|ã @åÁs) åÐ\Á; c@\Á; aæ^lãæþ Ác@æÁs[&`{ ^} œÁs4^Á;}&[` 'æ\*^åÈÁØ^^|Á;^^Á] ææææ&@Á\^œ\$-Æ\$[æā; à \*•ʸ @q t \*|æ; @Ás) åÁ; c@\Á; ææ^lãæþ Ác@æÁs[&`{ ^} œÁs4^Á;}&[` 'æ\*^Ás6^A\$;^•&] ÆQÆÓ\*(A; ææ^lãæþ Ác@æÁs6@) [ || \*^Ás6-Æ\$; ææ^láæ; æð Ac\*&@[ || \*^Ás6-Æ\$; Ac\*A; [ { ¼\^•^} c c^&@[ || \*^ÑAY ææÁ; | à|a-\Á; [ \* /Ás6-Å\$; Ac\*A; Ac\*A; | || \* /Ás6-Æ\$; aæ Ac\*A; Ac\*A; || \* /Ás6-Æ\$; aæ Ac\*A; aæ aæ Ac\*

1	Intellectual	Droporty	Drotoctions
4.	mienectuai	Property	Protections

a.	V@ÁQ¢^  ^&čæ ÁÚ¦[]^¦cÂá^∙&¦âa	^åÁşiÁx@àÁÖãa& [•`¦^Áşi& `å^•	ÁÇÚ ^æ•^ÁNÁ+Á± Ás@æóÆd]] ^DK	
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	]¦[çãa[a]}•A[-Á\ão@¦Á <del>só[</del> 20″}åā]*/			
e.	PænÁc@¦^Ás^^}æÁ¦á[¦Áædd]ææ° ā,& `å^Á&[]ā*•Á;-Áæj^Á^•` dā,*		æcā) *Áq[Ác@āÁc^&@}[∥[*^ÑÁQÁ^•ÉÁ, ^æ•^	=
f.	Pæç^æ}^Ájaæ^}oÁse] &Bæeáj}•Ás ] ^æ•^Ásj& `å^Ás[]a?•Áj-Ás-)^Á/		hčæļÁ,  []^ c^kæļÁ, -Ás@ā/Asæc^ÑÁQÁ^•Ê	-
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5.	Sponsorship			-
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d.	YænÁs@áÁsjo^  ^&c`æpÁ;¦[]^¦c`Ásh^ç^ []^åÁsjÁ&[  ææà[¦ææá[}Á,ão@Áæa}^Á;co@¦Án¦åÁjædcâN•Áç&[{]æàjâN•Ê `}ãç^¦•ãæãN•ÊÁNo&ÈÁş¦¦ÁæeÁæÁjædoÁ;ÁæÁ∧•^æd&@Á&[}•[¦cã{ÑÁÚ ^æ•^Áncæe^Á^•Á;¦Á;[ÊÁæa}åÁjæic &[  ææà[¦ææ[¦•Á;¦Á&[}•[¦cã{Ás^ []K
6.	Use of 3 <sup>rd</sup> Party Resources
a.	Pæç^Á[ĭ •^åÁæ)^Áx@ãåË;ædc'Á^•[ĭl&^•ÁājÁx@ Á&l^ææā[}Á;-Á[ĭlÁc^&@][[*^ÁQZÈÉ,æc^lãædÁ;l ^ĭā]{^}cÁl[{ÁæÁ&[{]æ}^Á;lÁ}ãç^l•ãc'Á}å^lÁæÁTæc^lãædÁ/æð-•AlÁOE'l^^{^}cÓgTVOEDÁ;lÁ;c@l -{l{æÁn;lÁāj-{l{ædÁœë'l^^{^}}cOÑ
b.	Pæç^Á[ˇÁ•^åÁæ)^Ár[-c; æb^ÉÁæàlæàð•ÉÁrœ&ÉÁr[{Árc@¦Áscơ¦}æþÁyÈÈÉÁÔTWDÁ[ˇl&^•Áý¢ÉÁ;l[b/&o-Ár ¦^•^æò&@¦•DÁSÁc@Áå^ç^ []{^}ơÁrÁc@áÁr&@][ [*^Ár!Áá[^•Ác@Ár&@][ [*^Árc@¦¸ã^ÁaˇaþáÁ][} ^æb ðr¦Áŗ[¦\ÁææÁÔTWÑ
c.	Pæç^Á[ĭÁ.•^åÁæ)^ÁU]^}ÁÚ[ĭ¦&^Ár[-ç, æb^Á§,Áx@-Áå^ç^∥[]{ ^}ơÁ; Áx@ánÁc^&@;[∥*^ÑÁÚ ^æ•^Ájãc à^∥[, K
7.	Commercialization
a.	Õãç^Á;[` []ājā[}Á;}Ás@Á&`  ^}oÁrcæ*^Á;Á&^ç^ []{^}c[Ás@Ác^&@;[ [*^Áæ-ÁãA/ æc^•Á;Áãæ-Á&`  ^}
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b.	PæÁc@Ác^&@[ [*^Áa^^}Ásāa& [•^åÁ;!Á;![çãa^åÁs[Áæ)^Ás]å*•d^Á^]!^•^} cæzãç^•ÑÁPæÁæ)^ÁsJå*•d^ !^]!^•^} cæzãç^ÉA}d^]!^}^`!Á;!Á*}å^!Á;@]}Ás[{ { ^!&ãædÁsJc^!^•óAsJÁc@aÁc@aÁc}&@][ [*^ÑÁÖ[Á[*Á}[] Q:Á@æç^Á^æe[}Ás_aAs]à;Ç^DÁc@!^Á¸ā Ás^Ás[{ { ^!&ãædÁsJc^!^•óAsJÁc@aÁsJç^}ca]}ÑÁU ^æ•^Áa]^&ãa^Áæ]^ æð]] ãbæzā[}Áæd^æÁæ)åÐ !Á;![å*&c•Ásč!!^}d^Á;}Ás@Á;æ\^óÁc@æÁ[*Á^^ Á;æÁ^\Á;á]å*Áæ]^≻•Ás]^

C.
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d. Ú|^æ-^Áæe^Á@; Áş ơ\^•ơ åÁ[ˇÁæ-^Áş •œ-ċæ]\*Áæ-Áā{ Áţ Ás[{ { ^\8a@-áa^Ác@-Ác@-Ác%-&@][|\* ^ÑÁÇÚ|^æ-^%6-4/\$}^D

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<b>8.</b> Ú ^æ•^ \^&[{ { ^} å.Áç [Á; [-^•••ā } 懕Á;[{ Ás@ ÁÔT WÁ\$[{ { ັ } ãc Á; @ Á; [ ˇ   å.Ás.^Ás.^• ơÁ˙ ãc^å.Áξ ^çæ† æc^Ác@ <u>Ác^&amp;@ aBæÁsa) å.Ás[{ { ^\8aãad</u> Á; ^\ãæ•Á; -Ás@á Ác^&@ [  [ * ^ K				
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