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KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,

(54) Title: UNIVERSAL DONOR CELLS

	Neuronal cells	Pancreatic cells	Other lineages
Examples of targets	B2M Knock-out	B2M Knock-out CIITA Knock-out PD-L1 Knock-in CTLA4-Ig Knock-in	HLA-ABC Knock-out HLA-G Knock-in CIITA Knock-out CD47 Knock-in
Other targets/promoters	Genes that confer cell survival Suicide switches: HSV-tk, iCaspase9 Promoters: constitutive promoters, cell-specific promoters, endogenous promoters		

FIG. 1A

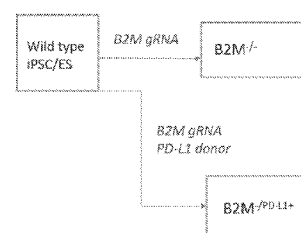


FIG. 1B

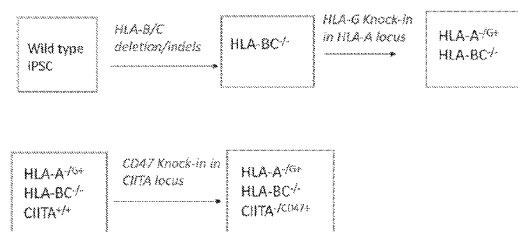


FIG. 1C

(57) Abstract: Genetically modified cells that are compatible with multiple subjects, e.g., universal donor cells, and methods of generating said genetic modified cells are provided herein. The universal donor cells comprise at least one genetic modification within or near at least one gene that encodes one or more MHC-I or MHC-II human leukocyte antigens or component or transcriptional regulator of the MHC-I or MHC-II complex, at least one genetic modification that increases the expression of at least one polynucleotide that encodes a tolerogenic factor, and optionally at least one genetic modification that increases or decreases the expression of at least one gene that encodes a survival factor.



OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

NEALEY, Tara A.
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ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 05 October 2020 (05.10.2020)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 100867-635546-CT109	
International application No. PCT/IB2019/057555	International filing date (day/month/year) 07 September 2019 (07.09.2019)

1. The following indications appeared on record concerning:		
☒ the applicant	☐ the inventor	☐ the agent
☐ the common representative		
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	E-mail address patentdocketing@polsinelli.com	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☒ the name	☐ the address
☐ the nationality		
☐ the residence		
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	Facsimile No.	
	E-mail address patentdocketing@polsinelli.com ☒ Notifications by e-mail authorized	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
☐ the receiving Office	☐ the International Preliminary Examining Authority	
☒ the International Searching Authority	☒ the designated Offices concerned	
☐ the Authority(ies) specified for supplementary search	☐ the elected Offices concerned	
	☐ other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Bellour Veronique e-mail ro.ib@wipo.int Telephone No. +4122 338 8602
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	Telephone No.	
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	E-mail address ☐ Notifications by e-mail authorized	
3. Further observations, if necessary: The person identified in Box 1 is now inventor only.		
4. A copy of this notification has been sent to:		
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