

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5899733

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YASEMIN ONER	11/05/2019
BERKER BILGIN	11/04/2019
ALI EMADI	11/02/2019
RECEIVING PARTY DATA	
Name:	MCMASTER UNIVERSITY
Street Address:	1280 MAIN STREET WEST
City:	HAMILTON
State/Country:	CANADA
Postal Code:	L8S 4L8
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16161681
CORRESPONDENCE DATA	
Fax Number:	(416)361-1398
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	BERESKIN & PARR LLP/S.E.N.C.R.L., S.R.L.
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ATTORNEY DOCKET NUMBER:	27643-P54354US01
NAME OF SUBMITTER:	STEPHEN M. BENEY
SIGNATURE:	/STEPHEN M. BENEY/
DATE SIGNED:	01/08/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 10	
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ASSIGNMENT / DECLARATION

WHEREAS **Yasemin Oner**, whose full post office address is **175 Hunter Street West, Hamilton, Ontario L8P 1R4, Canada**, **Berker Bilgin** whose full post office address is **415 Jackson St. West, Apt. 3, Hamilton, Ontario L8P 1N3, Canada** and **Ali Emadi** whose full post office address is **396 Plains Road East, #501, Burlington, Ontario L7T 2C8, Canada** (hereinafter "the Assignors"), are the inventors of an invention disclosed in **United States** patent application no. **62/768,181**, filed on **November 16, 2018** entitled **DOUBLE-STATOR SINGLE-WINDING SWITCHED RELUCTANCE MOTOR**, (hereinafter "the Application");

AND WHEREAS **McMaster University** whose full post office address is **1280 Main Street West, Hamilton, Ontario L8S 4L8, Canada** (hereinafter "the Assignee"), has acquired from the Assignors their entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Application and all related applications and patents thereon, including any and all international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Application, and to all related applications and patents thereon filed by the Assignors or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of any right of priority provided by any convention or treaty under

domestic or foreign law, and to invoke and claim any such right of priority without further written or oral authorization from the Assignors;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged, the Assignors hereby confirm that, as of the filing date of the Application, they have assigned, and to any extent not done, effective as of the filing date of the Application, do hereby sell and assign, transfer and set over to the Assignee, all their right, title and interest for Canada, the United States of America, its territories, dependencies and possessions, and for all other countries in the world, in and to the invention, including their rights to the Application, and all related applications and patents thereon, including the right to claim priority to the Application and to all related applications and patents thereon, to be held and enjoyed by the Assignee, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by them, had this Assignment not been made.

The Assignors hereby confirm that the Application was made or was authorized to be made by themselves and that they believe themselves to be the original inventors or joint inventors of a claimed invention in the Application.

The Assignors shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain the Application for the invention, and all related applications and patents thereon, in any and all countries, and to vest title thereto in the Assignee, its successors, assigns and legal representatives or nominees.

The Assignors and the Assignee authorize and empower Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street West, 40th Floor, Toronto, Ontario M5H 3Y2, to insert on this Assignment any further identification, to prepare any translation which may be necessary or

desirable in order to comply with the rules for recordation of this document in any country and to correct any clerical error in this Assignment.

The Commissioner of Patents & Trademarks is hereby authorized and requested to issue any Letters Patent for the Application, and all related applications thereon, to the Assignee, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

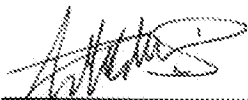
The Assignors hereby acknowledge that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For the purpose of all legal proceedings, this Assignment will be deemed to have been performed in the Province of Ontario and will be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

This Assignment may be executed in any number of counterparts and all of such counterparts shall together constitute one and the same instrument.

The Parties confirm their express wish that this Assignment be drawn up in the English language. *Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.*

SIGNED AT ISTANBUL, TURKEY this 05 day of November, 2019.



Signature of Witness

Name: Fatma KESGIN ARABUL



Signature of Witness

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

Name:

Signature of Witness

Berker Bilgin

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

Name:

Signature of Witness

Ali Emadi

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

Name:

Signature of Witness

McMaster University

Name:

Title:

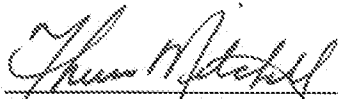
SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

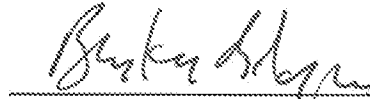
Yasemin Oner

Name:

SIGNED AT Hamilton, ON this 04 day of November, 2019.



Signature of Witness



Berker Bilgin

Name: Theresa Mitchell

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

Ali Emadi

Name:

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

McMaster University

Name:

Name:

Title:

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

Yasemin Oner

Name:

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

Berker Bilgin

Name:

SIGNED AT Chicago, IL this 2nd day of November, 2019.

Kobra tondkar

Signature of Witness

Ali Emadi

Ali Emadi

Name: KOBRA TONDKAR

SIGNED AT _____ this ____ day of _____, 20____.

Signature of Witness

McMaster University

Name:

Name:

Title:

SIGNED AT _____ this ____ day of _____, 20 ____.

Signature of Witness

Yasemin Oner

Name:

SIGNED AT _____ this ____ day of _____, 20 ____.

Signature of Witness

Berker Bilgin

Name:

SIGNED AT _____ this ____ day of _____, 20 ____.

Signature of Witness

Ali Emadi

Name:

SIGNED AT Hamilton, ON this 4 day of November, 2019.

Signature of Witness

McMaster University

Name: Ziyi Cai

Name:

Title: Gay Yuyitung, Executive Director
McMaster Industry Liaison Office

Schedule A - Intellectual Property

McMaster University Tech-ID	Country	Case Features	CatchWord	Inventors	Application No.	Application Date	Priority No	Priority Date	Registration No.	Registration Date
12-044	Canada	Non-Orig w/Conv Priority	POWERTRAIN SYSTEM FOR HYBRID VEHICLES HAVING COMPOUND AND SPLIT MODES OF OPERATION	Ali Emadi Piranavan Suntharalingam	2810938	Mar 26, 2013	61/615649	Mar. 26, 2012	2810938	Aug 14, 2018
12-044	United States of America	Non-Orig w/Conv Priority	COMPOUND SPLIT INTEGRATED ELECTRO-MECHANICAL DUAL INPUT DIFFERENTIAL TRANSMISSION SYSTEM FOR HYBRID ELECTRIC VEHICLES	Ali Emadi Piranavan Suntharalingam	13/950741	Mar 26, 2013	61/615649	Mar. 26, 2012	9145136	Sep 29, 2015
12-045	Canada	Non-Orig w/Conv Priority	INTEGRATED ELECTRO-MECHANICAL POWERTRAIN SYSTEM FOR HYBRID VEHICLES	Ali Emadi Piranavan Suntharalingam	2810942	Mar 26, 2013	61/615658	Mar. 26, 2012	2810942	May 01, 2018
12-045	United States of America	Non-Orig w/Conv Priority	INTEGRATED ELECTRO MECHANICAL POWERTRAIN SYSTEM FOR ELECTRIC, HYBRID ELECTRIC AND PLUG-IN HYBRID ELECTRIC VEHICLES	Ali Emadi Piranavan Suntharalingam	13/850775	Mar 26, 2013	61/615658	Mar. 26, 2012	9136079	Sep 22, 2015
12-046	Canada	Non-Orig w/Conv Priority	POWERTRAIN SYSTEM FOR HYBRID VEHICLES HAVING MULTIPLE MODES OF OPERATION	Ali Emadi Piranavan Suntharalingam	2810945	Mar 26, 2013	61/615663	Mar. 26, 2012	2810945	Aug 14, 2018
12-046	United States of America	Non-Orig w/Conv Priority	POWERTRAIN SYSTEM FOR HYBRID VEHICLES HAVING MULTIPLE MODES OF OPERATION	Ali Emadi Piranavan Suntharalingam	13/850757	Mar 26, 2013	61/615663	Mar. 26, 2012	8421855	Aug 23, 2016
13-017	Canada	Originating	RECONFIGURABLE HYBRID ENERGY STORAGE SYSTEM FOR ELECTRIFIED VEHICLES	Ali Emadi Chia-Hao Tu	2818450	Jun 17, 2013				
13-017	United States of America	Non-Orig w/Conv Priority	SERIES-PARALLEL RECONFIGURABLE HYBRID ENERGY STORAGE SYSTEM	Ali Emadi Chia-Hao Tu	14/260333	Apr 24, 2014	61/835930	Jun. 17, 2013	10293702	May 21, 2019
12-068	Canada	Non-Orig w/Conv Priority	HYBRID POWERTRAIN SYSTEM	Ali Emadi Piranavan Suntharalingam	2820254	Jul 09, 2013	61/669165	Jul. 09, 2012		
12-068	United States of America	Non-Orig w/Conv Priority	HYBRID POWERTRAIN SYSTEM	Ali Emadi Piranavan Suntharalingam	13/937310	Jul 09, 2013	61/669165	Jul. 09, 2012	9174741	Nov 03, 2015
13-009	Canada	Non-Orig w/Conv Priority	ELECTRO-MECHANICAL DOUBLE-ROTOR COMPOUND HYBRID TRANSMISSION	Ali Emadi Yinye Yang	2822275	Jul 30, 2013	61/677197	Jul. 30, 2012		
13-009	United States of America	Non-Orig w/Conv Priority	ELECTRO-MECHANICAL DOUBLE-ROTOR COMPOUND HYBRID TRANSMISSION	Ali Emadi Yinye Yang	13/954015	Jul 30, 2013	61/677197	Jul. 30, 2012	9102227	Aug 11, 2015
13-031	Canada	Non-Orig w/Conv Priority	MULTI-SOURCE POWER CONVERTER	Ali Emadi Pierre Magne	2831252	Oct 25, 2013	61/718458	Oct. 25, 2012	2831252	May 14, 2019
13-031	United States of America	Non-Orig w/Conv Priority	MULTI-SOURCE POWER CONVERTER	Ali Emadi Pierre Magne	14/082979	Oct 25, 2013	61/718458	Oct. 25, 2012	9825470	Nov 21, 2017
13-022	Canada	Non-Orig w/Conv Priority	DOUBLE-ROTOR SWITCHED RELUCTANCE MACHINE	Ali Emadi Yinye Yang	2830944	Oct 24, 2013	61/717808	Oct. 24, 2012		
13-022	United States of America	Non-Orig w/Conv Priority	DOUBLE-ROTOR SWITCHED RELUCTANCE MACHINE	Ali Emadi Yinye Yang	14/061812	Oct 24, 2013	61/717808	Oct. 24, 2012	10333376	Jun 25, 2019
13-034	Canada	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ROTOR EXCITATION USING PERMANENT MAGNETS	Ali Emadi Berker Bilgin	2836309	Dec 11, 2013	61/735620	Dec. 11, 2012		
13-034	United States of America	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ROTOR EXCITATION USING PERMANENT MAGNETS	Ali Emadi Berker Bilgin	14/103041	Dec 11, 2013	61/735620	Dec. 11, 2012		
14-024	Canada	Non-Orig w/Conv Priority	TORQUE RIPPLE REDUCTION IN SWITCHED RELUCTANCE MOTOR DRIVES	Ali Emadi Jin Ye	2878581	Jan 19, 2015	61/928893	Jan. 17, 2014		
14-024	United States of America	Non-Orig w/Conv Priority	TORQUE RIPPLE REDUCTION IN SWITCHED RELUCTANCE MOTOR DRIVES	Ali Emadi Jin Ye	14/599838	Jan 19, 2015	61/928893	Jan. 17, 2014	9742320	Aug 22, 2017
15-030	Canada	Non-Orig w/Conv Priority	TORQUE RIPPLE AND RADIAL FORCE REDUCTION IN DOUBLE-ROTOR SWITCHED RELUCTANCE MACHINES	Ali Emadi Nigel Schofield Yinye Yang	2898978	Jul 30, 2015	62/031274	Jul. 31, 2014		
15-030	United States of America	Non-Orig w/Conv Priority	TORQUE RIPPLE AND RADIAL FORCE REDUCTION IN DOUBLE-ROTOR SWITCHED RELUCTANCE MACHINES	Ali Emadi Nigel Schofield Yinye Yang	14/813654	Jul 30, 2015	62/031274	Jul. 31, 2014	9621014	Apr 11, 2017
14-050	Canada	Non-Orig w/Conv Priority	EXTENDED-SPEED LOW-RIPPLE TORQUE CONTROL OF SWITCHED RELUCTANCE MOTOR DRIVES	Ali Emadi Jin Ye	2874157	Dec 10, 2014	61/913942	Dec. 10, 2013		
14-050	United States of America	Non-Orig w/Conv Priority	EXTENDED-SPEED LOW-RIPPLE TORQUE CONTROL OF SWITCHED RELUCTANCE MOTOR DRIVE	Ali Emadi Jin Ye	14/965940	Dec 10, 2014	61/913942	Dec. 10, 2014	9641119	May 02, 2017
15-056	Canada	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	2983189	Oct 18, 2017	62/161905	May. 15, 2015		
15-056	China	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	201680027935.6	Nov 14, 2017	62/161905	May. 15, 2015		
15-056	European Patent Application	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	16795686.5	Dec 12, 2017	62/161905	May. 15, 2015		
15-056	Hong Kong	Based on foreign IP - right	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	18111703.5	Sep 12, 2018				
15-056	India	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	201717039541	Nov 07, 2017	62/161905	May. 15, 2015		
15-056	PCT Application	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	PCT/CA2016/050648	May 13, 2016	62/161905	May. 15, 2015		
15-056	United States of America	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH EVEN POLE-PHASE INDEX	Ali Emadi Berker Bilgin	15/574180	Nov 15, 2017	62/161905	May. 15, 2015		
15-057	Canada	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	2983193	Oct 18, 2017	62/161907	May. 15, 2015		
15-057	China	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	201680029581.9	Nov 14, 2017	62/161907	May. 15, 2015		
15-057	European Patent Application	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	16785587.1	Dec 12, 2017	62/161907	May. 15, 2015		

McMaster University Tech-ID	Country	Case Features	Catchword	Inventors	Application No.	Application Date	Priority No	Priority Date	Registration No.	Registration Date
15-057	Hong Kong	Based on foreign IP - right	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	18111704.4	Sep 12, 2018				
15-057	India	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	201717039542	Nov 08, 2017	62/161807	May 15, 2015		
15-057	PCT Application	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	PCT/CA2016/050551	May 13, 2016	62/161807	May 15, 2015		
15-057	United States of America	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH ODD POLE PHASE INDEX	Ali Emadi Berker Bilgin	15/574209	Nov 15, 2017	62/161807	May 15, 2015		
15-048	Canada	Non-Orig w/Conv Priority	DUAL VOLTAGE CHARGING SYSTEM WITH AN INTEGRATED ACTIVE FILTER AUXILIARY POWER MODULE	Ali Emadi Ruoyu Hou	2911984	Nov 13, 2015	62/115694	Feb. 13, 2015		
15-048	United States of America	Non-Orig w/Conv Priority	DUAL VOLTAGE CHARGING SYSTEM WITH AN INTEGRATED ACTIVE FILTER AUXILIARY POWER MODULE	Ali Emadi Ruoyu Hou	14/939211	Nov 12, 2015	62/115694	Feb. 13, 2015	9758047	Sep 12, 2017
14-059	Canada	Non-Orig w/Conv Priority	SYSTEM AND METHODS FOR ROTOR POSITION DETERMINATION	Ali Emadi Jin Ya	2987080	Apr 01, 2015	61/973488	Apr. 01, 2014		
14-059	United States of America	Non-Orig w/Conv Priority	SYSTEMS AND METHODS FOR ROTOR POSITION DETERMINATION	Ali Emadi Jin Ya	14/876110	Apr 01, 2015	61/973488	Apr. 01, 2014	9722517	Aug 01, 2017
15-064	Canada	Non-Orig w/Conv Priority	ELECTRIC GENERATOR FOR DIESEL ELECTRIC LOCOMOTIVE	Ali Emadi Ruoyu Hou Yinye Yang	2925770	Apr 01, 2016	62/141889	Apr. 02, 2015		
15-064	United States of America	Non-Orig w/Conv Priority	INTEGRATED DOUBLE-ROTOR ELECTRIC GENERATOR FOR DIESEL ELECTRIC LOCOMOTIVE	Ali Emadi Ruoyu Hou Yinye Yang	15/088848	Apr 01, 2016	62/141889	Apr. 02, 2015		
15-052	Canada	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH TOROIDAL WINDING	Ali Emadi Piranavan Suntharalingam	2980787	Sep 25, 2017	62/143282	Apr. 08, 2015		
15-052	China	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH TOROIDAL WINDING	Ali Emadi Piranavan Suntharalingam	201680020817.2	Oct 09, 2017	62/143282	Apr. 08, 2015		
15-052	PCT Application	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH TOROIDAL WINDING	Ali Emadi Piranavan Suntharalingam	PCT/GA2016/050396	Apr 08, 2016	62/143282	Apr. 08, 2015		
15-052	United States of America	PCT Based w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH TOROIDAL WINDING	Ali Emadi Piranavan Suntharalingam	15/561542	Sep 28, 2017	62/143282	Apr. 08, 2015		
15-067	Canada	Non-Orig w/Conv Priority	DOUBLE ROTOR SWITCHED RELUCTANCE MACHINE WITH SEGMENTED ROTORS	Ali Emadi Nigel Schofield Teng Guo	2811274	Nov 03, 2015	14/918503	Oct. 21, 2015		
15-067	United States of America	Originating	DOUBLE ROTOR SWITCHED RELUCTANCE MACHINE WITH SEGMENTED ROTORS	Ali Emadi Nigel Schofield Teng Guo	14/818800	Oct 21, 2015			10312780	Jun 04, 2019
15-007	Canada	Non-Orig w/Conv Priority	HIGH-SPEED HIGH-POWER SWITCHED RELUCTANCE MACHINE	Ali Emadi Berker Bilgin Earl Fairall	2884351	Jun 10, 2015	62/010187	Jun. 10, 2014		
15-007	United States of America	Non-Orig w/Conv Priority	HIGH-SPEED HIGH-POWER SWITCHED RELUCTANCE MACHINE	Ali Emadi Berker Bilgin Earl Fairall	14/736108	Jun 10, 2015	62/010187	Jun. 10, 2014	9742243	Aug 22, 2017
16-014	Canada	Non-Orig w/Conv Priority	ENERGY STORAGE BALANCING SYSTEM	Ali Emadi Matthias Preindl	2955152	Jan 18, 2017	62/279054	Jan. 15, 2016		
16-014	United States of America	Non-Orig w/Conv Priority	ENERGY STORAGE BALANCING SYSTEM	Ali Emadi Matthias Preindl	15/496148	Jan 13, 2017	62/279054	Jan. 15, 2016		
17-019	United States of America	Non-Orig w/Conv Priority	ALTERNATING-CURRENT DRIVEN, SALIENT-TEETH RELUCTANCE MOTOR WITH CONCENTRATED WINDINGS	Ali Emadi Berker Bilgin Nigel Schofield	15/838708	Mar 28, 2018	62/477611	Mar. 28, 2017		
18-020	Canada	Non-Orig w/Conv Priority	MULTI-TEETH SWITCHED RELUCTANCE MACHINE	Ali Emadi Berker Bilgin Yasemin Oner	3021007	Oct 16, 2018	62/572918	Oct. 16, 2017		
18-020	United States of America	Non-Orig w/Conv Priority	MULTI-TEETH SWITCHED RELUCTANCE MOTOR	Ali Emadi Berker Bilgin Yasemin Oner	16/161681	Oct 16, 2018	62/572918	Oct. 16, 2017		
18-023	Canada	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH SHORT FLUX PATH	Ali Emadi Berker Bilgin Yasemin Oner	3023913	Nov 13, 2018	62/585217	Nov. 13, 2017		
18-023	United States of America	Non-Orig w/Conv Priority	SWITCHED RELUCTANCE MACHINE WITH SHORT FLUX PATH	Ali Emadi Berker Bilgin Yasemin Oner	16/188727	Nov 13, 2018	62/585217	Nov. 13, 2017		
18-028	Canada	Non-Orig w/Conv Priority	MULTI-TEETH SWITCHED RELUCTANCE MOTOR WITH SHORT FLUX PATH	Ali Emadi Berker Bilgin Yasemin Oner	3024781	Nov 20, 2018	62/589313	Nov. 21, 2017		
18-028	United States of America	Non-Orig w/Conv Priority	MULTI-TEETH SWITCHED RELUCTANCE MOTOR WITH SHORT FLUX PATH	Ali Emadi Berker Bilgin Yasemin Oner	16/197466	Nov 21, 2018	62/589313	Nov. 21, 2017		

McMaster University Tech-ID	Country	Case Features	CatchWord	Inventors	Application No.	Application Date	Priority No	Priority Date	Registration No.	Registration Date
18-051	United States of America	Originating Provisional	DOUBLE-STATOR SINGLE-WINDING SWITCHED RELUCTANCE MOTOR	Ali Emadi Berker Bilgin Yasemin Oner	627768181	Nov 16, 2018				
18-050	Canada	Originating	TORQUE RIPPLE REDUCTION IN SWITCHED RELUCTANCE MACHINE	Ali Emadi Berker Bilgin Haodong Li	3012518	Jul 26, 2018				
18-050	United States of America	Originating	TORQUE RIPPLE REDUCTION IN SWITCHED RELUCTANCE MACHINES	Ali Emadi Berker Bilgin Haodong Li	16/045959	Jul 26, 2018				