

REM Technology Inc.

Patent List

Revision 0.3

June 26, 2018

REVISION HISTORY

REV	DATE	BY	REVIEW	DESCRIPTION
0.1	February 26, 2018	GAB		Released
0.2	March 29, 2018	GAB		Updates - Released
0.3	June 26, 2018	GAB		Updates - Released

This document contains proprietary information and must not be copied, reproduced or disclosed to a third party without the prior consent of Spartan Controls Ltd. and / or REM Technology Inc.

TABLE OF CONTENTS

1	SUMMARY	4
1.1	PURPOSE	4
1.2	INTENDED AUDIENCE	4
1.3	TERMS AND ABBREVIATIONS	4
2	PATENT LIST	5
2.1	CANADIAN	5
2.2	UNITED STATES OF AMERICA	6
2.3	OTHER	7
3	PATENT PENDING LIST	8
3.1	CANADA	8
3.2	UNITED STATES OF AMERICA	8
3.3	OTHER	8
4	ABANDONED OR LAPSED PATENT LIST	10
4.1	CANADIAN	10
4.2	UNITED STATES OF AMERICA	10
4.3	OTHER	10

LIST OF TABLES

TABLE 1: TERMS AND ABBREVIATIONS..... 4



1 SUMMARY

1.1 Purpose

The following document provides a list of patents assigned to REM Technology Inc. The list includes abandoned, pending and accepted patents. Additional patent details are available through the Canadian Intellectual Property Office, Australian Government IP Australia, and the United States Patent and Trademark Office:

Australia: <https://www.ipaustralia.gov.au/>

Canada: <http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/Home>

United States: <https://www.uspto.gov/>

1.2 Intended Audience

This document is intended for internal use only. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior express written permission of REM Technology Inc.

1.3 Terms and Abbreviations

Table 1: Terms and Abbreviations

Abbreviation	Description
RTI	REM Technology Inc.

2 PATENT LIST

2.1 Canadian

- H. Malm, L. Tuck and S. Ma, "Integrated Monitoring, Control, and Shutdown System". Canadian Patent 2,298,060, Filed February 4, 2000.
- H. L. Malm and L. A. Keast, "Air-Fuel Control System". Canadian Patent 2,305,984, Filed April 18, 2000.
- H. L. Malm, "Method and Apparatus for Utilizing Fugitive Gases as a Supplementary Fuel Source". Canadian Patent 2,601,027, Filed March 9, 2006.
- H. Malm, "Improved Carbureted Natural Gas Turbo Charged Engine". Canadian Patent 2,549,215, Filed June 1, 2006.
- H. L. Malm, "Check Valve for Fugitive Gas Fuel Source". Canadian Patent 2,678,569, Filed August 30, 2007.
- H. L. Malm "Method and Apparatus for Providing Vent Source Gases to an Engine" Canadian Patent 2,905,319, Filed August 30, 2007.
- H. L. Malm, "Improved Method and Apparatus for Capturing and Controlling Fugitive Gases". Canadian Patent 2,703,706, Filed October 23, 2008.
- H. Malm, "Method and Apparatus for Processing Diluted Fugitive Gases". Canadian Patent 2,685,655, Filed November 16, 2009.
- H. Malm, "System and Method for Controlling a Flow of Vent Gases to a Natural Gas Engine". Canadian Patent 2,838,150, Filed December 23, 2013.
- H. L. Malm and L. A. Keast, "Auxiliary Burner Assembly and Control System for Combusting Vent Gases in Petroleum Production and Processing". Canadian Patent 2,858,026, Filed July 31, 2014.

2.2 United States of America

- H. L. Malm and L. A. Keast, "Air-Fuel Control System". United States Patent 6,340,005, Filed April 18, 2000.
- H. L. Malm, "Method and Apparatus for Utilizing Fugitive Gases as a Supplementary Fuel Source". United States Patent 8,382,469, Filed March 9, 2005.
- H. L. Malm and W. L. Mowat, "Carbureted Natural Gas Turbo Charged Engine". United States Patent 7,861,697, Filed June 1, 2006.
- H. L. Malm, "Method and Apparatus for Capturing and Controlling Fugitive Gases". United States Patent 8,113,181, Filed October 23, 2007.
- H. L. Malm, "Method and Apparatus for Processing Diluted Fugitive Gases". United States Patent 8,235,029, Filed November 16, 2009.
- H. L. Malm and W. L. Mowat, "Carbureted Natural Gas Turbo Charged Engine". United States Patent 8,713,935, Filed December 16, 2010.
- H. L. Malm, "Apparatus for Providing Diluted Fugitive Gases as a Fuel to an Engine". United States Patent 8,851,054, Filed July 5, 2012.
- H. L. Malm, "Improved Method and Apparatus for Capturing and Controlling Fugitive Gases". United States Patent 8,978,627, Filed January 18, 2012.
- H. Malm, "System and Method for Controlling a Flow of Vent Gases to a Natural Gas Engine". United States Patent 9,534,564, Filed July 24, 2014.
- H. L. Malm and L. A. Keast, "Auxiliary Burner Assembly and Control System for Combusting Vent Gases in Petroleum Production and Processing". United States Patent 9,568,191, Filed July 31, 2014.

2.3 Other

- H. L. Malm, "Method and Apparatus for Utilising Fugitive Gases as a Supplementary Fuel Source". Australian Patent 2006222506, Filed March 9, 2006.
- H. L. Malm, "Check Valve For Fugitive Gas Fuel Source". Australian Patent 2007291858, Filed August 30, 2007.

3 PATENT PENDING LIST

3.1 Canada

- H. L. Malm and L. A. Keast, "Combusting Vent Gases using an Auxiliary Burner". Canadian Patent Application 2,822,267, Filed July 31, 2013.
- H. Malm, B. R. Bobyk and G. A. Brown, "Improvements for Natural Gas Engines to Reduce NOx Emissions". Canadian Patent Application 2,894,064, Filed June 11, 2015.
- H. L. Malm, L. A. Keast and G. Brown, "Excess Gas Combustion in Heavy Oil Production". Canadian Patent Application 2,908,759, Filed October 15, 2015.
- G. A. Brown and B. R. Bobyk, "Weldless Sample Port". Canadian Patent Application, Filed June 2, 2017.

3.2 United States of America

- H. L. Malm, B. R. Bobyk and G. A. Brown, "Improvements for Natural Gas Engines to Reduce NOx Emissions". United States Patent Application Serial No. 15/179,263, Filed June 10, 2016.
- H. L. Malm, L. A. Keast and G. A. Brown, "Excess Gas Combustion in Heavy Oil Production". United States Patent Application Serial No. 14/883,879, Filed October 15, 2015.
- H. L. Malm and L. A. Keast, "Auxiliary Burner Assembly and Control System for Combusting Vent Gases in Petroleum Production and Processing". Continuation in part United States Patent Application No. 14/448,492, Filed Feb 2017
- G. A. Brown and B. R. Bobyk, "Weldless Sample Port". United States Patent Application Serial No. 15/612,372, Filed June 2, 2017.

3.3 Other

- H. Malm, "System and Method for Controlling a Flow of Vent Gases to a Natural Gas Engine". Australian Patent Application 2014206156, Filed July 24, 2014.

4 ABANDONED OR LAPSED PATENT LIST

4.1 Canadian

- H. Malm, L. Tuck and S. Ma, "Integrated Monitoring, Control, and Shutdown System". Canadian Patent 2,260,695, 1999.

4.2 United States of America

- H. Malm, L. Tuck and S. Ma, "Integrated Monitoring, Control, and Shutdown System". United States Patent 6,567,709, Feb 4, 2000.

4.3 Other

- H. L. Malm, "Method and Apparatus for Utilizing Fugitive Gases as a Supplementary Fuel Source". Australian Patent 2013200871, Filed February 14, 2013.

END OF DOCUMENT