

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM489254

| | | | |
|-----------------------------------|---------------------------------------|------------------------|--------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | RELEASE OF SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| Comerica Bank | | 09/04/2018 | N.A.: MICHIGAN |
| RECEIVING PARTY DATA | | | |
| Name: | LumaSense Technologies Holdings, Inc. | | |
| Street Address: | 3301 Leonard Court | | |
| City: | Santa Clara | | |
| State/Country: | CALIFORNIA | | |
| Postal Code: | 95054 | | |
| Entity Type: | Corporation: DELAWARE | | |
| PROPERTY NUMBERS Total: 24 | | | |
| Property Type | Number | Word Mark | |
| Serial Number: | 86009637 | LUMASENSE | |
| Serial Number: | 86005491 | LUMASMART ICORE | |
| Serial Number: | 86005419 | IMPAC | |
| Serial Number: | 86004643 | INNOVA | |
| Serial Number: | 86004595 | SMARTDGA | |
| Serial Number: | 86004547 | DGA VIEWER | |
| Serial Number: | 86004525 | SMARTDGA GO | |
| Serial Number: | 86004499 | EZHUB | |
| Serial Number: | 86004439 | | |
| Serial Number: | 86004413 | SMARTDGA GUIDE | |
| Serial Number: | 86004383 | SMARTDGA GAUGE | |
| Serial Number: | 86004319 | SMARTDGA GUARD | |
| Serial Number: | 85641484 | SMARTDGA | |
| Serial Number: | 87023634 | SMARTDGA GUIDE | |
| Serial Number: | 85070950 | LUMASENSE TECHNOLOGIES | |
| Serial Number: | 85170526 | LUMASHIELD | |
| Serial Number: | 77883898 | LUMASMART | |
| Serial Number: | 77138448 | FOCAL POINT | |
| Serial Number: | 76437455 | SPYGLASS | |

OP \$615.00 86009637

| Property Type | Number | Word Mark |
|----------------|----------|------------|
| Serial Number: | 72377173 | MIKRON |
| Serial Number: | 78306554 | THERMASSET |
| Serial Number: | 74090171 | ACCUFIBER |
| Serial Number: | 73616762 | FLUOROPTIC |
| Serial Number: | 73616723 | LUXTRON |

CORRESPONDENCE DATA

Fax Number: 4142974900

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.

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Correspondent Name: Christopher M. King

Address Line 1: 3000 K Street, N.W. Suite 600

Address Line 2: Foley & Lardner LLP

Address Line 4: Washington, D.C. 20007-5109

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|--------------------------------|-----------------------|
| ATTORNEY DOCKET NUMBER: | 115859-0117 |
| NAME OF SUBMITTER: | Christopher M. King/ |
| SIGNATURE: | /Christopher M. King/ |
| DATE SIGNED: | 09/10/2018 |

Total Attachments: 9

- source=Lumasense IP release#page1.tif
- source=Lumasense IP release#page2.tif
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RELEASE OF SECURITY INTEREST

This Release of Security Interest is made as of September 4, 2018, by COMERICA BANK ("Bank") in favor of LUMASENSE TECHNOLOGIES HOLDINGS, INC., a Delaware corporation, as successor in interest to LUMASENSE TECHNOLOGIES, INC. ("Company"), LUXTRON CORPORATION (the "Guarantor") with its principal place of business located at 3301 Leonard Court, Santa Clara, California 95054.

Recital

WHEREAS Company and Guarantor granted to Bank a security interest in the copyrights, patents and trademarks described on Exhibits A, B and C attached hereto, respectively (collectively, the "Intellectual Property") under an Intellectual Property Security Agreement dated as of April 12, 2007 (the "Security Agreement"), and recorded with the US Library of Congress Copyright Office and the US Patent and Trademark Office as set forth on Exhibits A, B and C.

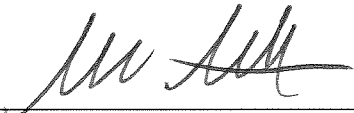
WHEREAS Company and Guarantor has no outstanding obligations to Bank under the terms of the Security Agreement, Bank agrees to release its security interest in the Intellectual Property.

Agreement

Now therefore, Bank agrees that it terminates and releases its security interest in the Intellectual Property and reassigns to Company, without warranty or recourse, all interest of Bank in the Intellectual Property.

BANK:

COMERICA BANK



Name: Robert Shutt

Title: Senior Vice President

333 W. Santa Clara St., 12th Floor
San Jose, CA 95113

EXHIBIT A

Copyrights

| <u>Description</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|--------------------|----------------------------|--------------------------|
|--------------------|----------------------------|--------------------------|

NONE

EXHIBIT B

Patents

| Description | Patent / Application Number | Issue / Application Date |
|--|--|---|
| 1. Emissivity corrected radiation pyrometer integrated with a reflectometer and roughness sensor for measuring true surface temperature at a distance from the sample | 10/616,254 | 7/8/2003 |
| 2. System and Method for Monitoring Temperature During electrosurgery or Laser Therapy | 11/499,530 | 8/4/2006 |
| 3. In Situ Optical Surface Temperature Measuring Techniques and Devices | 11/361,543 | 2/24/2006 |
| 4. Utility Transformer Measurement Probe | 11/337,641 | 1/23/2006 |
| 5. Devices, Systems and Methods for Determining Temperature and/or Optical Characteristics of a Substrate | 11/241,579 | 9/30/2005 |
| 6. Endpoint Detection Technique Using Signal Slope De | 066350 | 5/1/94 |
| 7. In Situ Technique for Monitoring and Controlling a | 099818 | 5/7/99 |
| 8. Optical Sensors For Detecting Physical Parameters | 144630 | 7/12/89 |
| 9. Optical Sensors For Detecting Physical Parameters | 161671 | 6/27/90 |
| 10. Fiber Optic Sensor With a Fluorescing Substance | 174506 | 10/23/91 |
| 11. Optical Techniques For Measuring Layer Thicknesses And Other Surface Character | 199054 | 2/29/00 |
| 12. Optical Temperature Measurement Techniques | 203992 | 2/17/93 |
| 13. Sensors For Detecting Electromagnetic Parameters U | 345142 | 7/28/93 |
| 14. An Electro-Optical Board Assembly For Measuring The Temperature Of An Object Surface From Infra-Red Emissions Thereof, Including An Automatic Gain Control Therefore | 0347727 | 9/22/95 |
| 15. Fiberoptic Techniques For Measuring The Magnitude | 0390651 | 5/1/96 |
| 16. Three-Parameter Optical Fiber Sensor And System | 0392897 | 12/29/93 |
| 17. Modular Luminescence-Based Measuring System Using Fast Digital Signal Processing | 0560903 | 1/7/98 |
| 18. An Electro-Optical Board Assembly For Measuring The Temperature Of An Object Surface From Infra-Red Emissions Thereof, Including An Automatic Gain Control Therefore | 0783672 | 9/22/95 |
| 19. Optical Sensors For Detecting Physical Parameters | 1,251,057 | 3/14/89 |
| 20. Non-Contact Optical Techniques For Measuring Surface | 1,263,922 | 12/19/89 |
| 21. Optical Temperature Measurement Techniques | 1,264,236 | 1/9/90 |
| 22. Fiberoptic Sensing of Temperature and/or Other Phy | 1,292,368 | 11/26/91 |
| 23. Programmable Calibrated Optical Fiber Thermometer | 1916872 | 3/23/95 |
| 24. Optical Temperature Measurement Techniques | 2035740 | 3/28/96 |
| 25. Three-Parameter Optical Fiber Sensor And System | 3040103 | 3/3/00 |
| 26. Optical Fiber Thermometer | 3192161 | 5/25/01 |
| 27. Modular Luminescence-Based Measuring System Using Fast Digital Signal Processing | 3249820 | 11/9/01 |
| 28. Endpoint Detection Technique Using Signal Slope De | 3,375,338 | 11/28/98 |
| 29. Hi-Temp Black Body Tip Sensor | 4,576,486 | |
| 30. Multi-Channel Fiber Optic Connector | 4,712,864 | 5/2/85 |
| 31. Blackbody Radiation Sensing Optical Fiber Thermometer | 4,750,139 | 8/29/85 |
| 32. Optical Temperature Measurement Techniques | 4,789,992 | 3/19/87 |
| 33. Method Of Making A Fiberoptic Sensor Of A Microwave | 4,816,634 | 10/23/87 |
| 34. Method and Apparatus for Determining Temperature in Blackbody Radiation Sensing System | 4,845,647 | 1/24/85 |
| 35. Optical System Using a Luminescent Material Sensor | 4,859,079 | 8/4/88 |
| 36. Fiberoptic Sensing of Temperature and/or Other Physical parameters | 4,883,354 | 3/4/88 |

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| 37. Sensors For Detecting Electromagnetic Parameters Utilizing Resonating Elements | 4,897,541 | 6/2/88 |
| 38. Three-Parameter Optical Fiber Sensor And System | 4,986,671 | 4/12/89 |
| 39. Fiberoptic Sensing of Temperature and/or Other Physical parameters | 4,988,212 | 8/22/89 |
| 40. Method And Apparatus For Monitoring Particles Using | 5012119 | 4/29/87 |
| 41. Dew point measuring apparatus installation system | 5,024,532 | |
| 42. Optical Fiber Thermometer | 5052214 | 10/1/91 |
| 43. Light Collection Method And apparatus | 5064269 | 11/11/87 |
| 44. Knock detector using optical fiber thermometer | 5,099,681 | 11/11/87 |
| 45. Modular Luminescence-Based Measuring System Using Fast Digital Signal Processing | 5107445 | 12/4/90 |
| 46. Method Of Making A Fiberoptic Sensor Of A Microwave | 5,109,595 | 4/1/91 |
| 47. Fiberoptic Techniques For Measuring The Magnitude | 5,110,216 | 1/30/90 |
| 48. Temperature Measurement With Combined Photo-Luminescent and Blackbody sensing technique | 5112137 | 5/12/92 |
| 49. Apparatus and Method for Monitoring Radiant Energy | 5,138,149 | 9/5/90 |
| 50. Non-Contact Techniques For Measuring Temperature Of Radiation-Heated Objects | 5,154,512 | 4/10/90 |
| 51. Techniques For Measuring The Thickness Of A Film F | 5,166,080 | 4/29/91 |
| 52. Through The Wafer Optical Transmission Sensor | 5,166,525 | 2/11/91 |
| 53. Temperature Measurement With Combined Photo-Luminescent and Blackbody sensing technique | 5,183,338 | 12/13/91 |
| 54. Method Of Endpoint Detection And Structure Therefo | 5,190,614 | 9/5/90 |
| 55. Method For Control Of Photoresist Develop Processe | 5,196,285 | 3/23/93 |
| 56. Interference Removal | 5,208,644 | 5/4/93 |
| 57. Autocalibrating dual sensor non-contact temperature measuring device | 5,216,625 | |
| 58. Method For Control Of Photoresist Develop Processes | 5,292,605 | 3/8/94 |
| 59. Autocalibrating dual sensor non-contact temperature measuring device | 5,294,200 | 3/8/94 |
| 60. Luminescent Decay Time Measurements By Use Of A CCD Camera | 5,304,809 | 9/15/92 |
| 61. Endpoint and Uniformity Determinations in Material Layer Processing Through Monitoring Multiple Surface Regions Across The Layer | 5,308,447 | 6/9/92 |
| 62. Non-Contact Optical Techniques For Measuring Surface Conditions | 5,310,260 | 12/28/92 |
| 63. Non-Contact Techniques For Measuring Temperature Of Radiation-Heated Objects | 5,318,362 | 9/11/92 |
| 64. Modular Luminescence-Based Measuring System Using Fast Digital Signal Processing | 5,351,268 | 10/8/91 |
| 65. Processing Endpoint Detecting Technique and Detect | 5,362,969 | 4/23/93 |
| 66. Thermally Fused Composite Ceramic Blackbody Temper | 5,364,186 | 4/28/92 |
| 67. Measuring System Employing A Luminescent Sensor An | 5,414,266 | 6/11/93 |
| 68. Interference Removal | 5,414,504 | 2/19/93 |
| 69. Autocalibrating non-contact temperature measuring technique employing dual recessed heat flow sensors | 5,464,284 | |
| 70. Apparatus and Method for Measuring Temperatures at a Plurality of locations using luminescent-type temperature | 5,470,155 | 6/11/93 |
| 71. Non-Contact Optical Techniques For Measuring Surface | 5,490,728 | 1/12/94 |
| 72. Optical Techniques Of Measuring Endpoint During Th | 5,499,733 | 9/16/93 |
| 73. Temperature Measuring System Having Improved Signals | 5,600,147 | 6/6/95 |
| 74. Optical Techniques Of Measuring Endpoint During The Process Of Material Layers In An Optically Hostile Environment | 5,695,660 | 3/14/96 |
| 75. An Electro-Optical Board Assembly For Measuring The Temperature Of An Object Surface From Infra-Red Emissions Thereof, Including An Automatic Gain Control Therefore | 5,717,608 | 9/26/94 |
| 76. Non-Contact Optical Techniques For Measuring Surface Conditions | 5,769,540 | 1/12/94 |
| 77. Interference Removal | 5,786,886 | 5/8/95 |

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| 78. Method and apparatus for measuring atomic vapor density in deposition systems | 5,880,823 | 6/10/1994 |
| 79. Optical Techniques Of Measuring Endpoint During Th | 5,891,352 | 6/11/97 |
| 80. An Electro-Optical Board Assembly For Measuring The Temperature Of An Object Surface From Infra-Red Emissions Thereof, Including An Automatic Gain Control Therefore | 5,897,610 | 9/26/97 |
| 81. Interference Removal | 5,946,082 | 6/16/98 |
| 82. In Situ Technique for Monitoring and Controlling a | 6,010,538 | 1/11/96 |
| 83. Signal Processing For In Situ Monitoring of the Fo | 6,028,669 | 7/23/97 |
| 84. Optical Techniques of Measuring Endpoint During th | 6,077,452 | 4/14/99 |
| 85. Optical Techniques of Measuring Endpoint During th | 6,110,752 | 8/27/97 |
| 86. Polarization Interferometer Spectrometer with Rotatable Birefringent Element | 6,222,632 | 4/24/01 |
| 87. Liquid Etch Endpoint Detection and Process Metrology | 6,406,641 | 6/17/97 |
| 88. Optical Techniques of Measuring Endpoint During th | 6,413,147 | 7/1/98 |
| 89. Optical Techniques Of Measuring Endpoint During Th | 6,426,232 | 6/15/98 |
| 90. Optical Technique for Measuring Layer Thicknesses and other surface characteristics of objects such as semiconductor wafers | 6,570,662 | 5/24/1999 |
| 91. In Situ Optical Surface Temperature Measuring Techniques and Devices | 6,572,265 | 4/20/01 |
| 92. Optical Technique for Measuring Layer Thicknesses and other surface characteristics of objects such as semiconductor wafers | 6,654,132 | 5/24/00 |
| 93. Optical Technique for Measuring Layer Thicknesses and other surface characteristics of objects such as semiconductor wafers | 6,934,040 | 9/26/2003 |
| 94. Optical Technique for Measuring Layer Thicknesses and other surface characteristics of objects such as semiconductor wafers | 7,042,581 | 12/15/2004 |
| 95. In Situ Optical Surface Temperature Measuring Techniques and Devices | 7,080,940 | 5/5/2004 |
| 96. Emissivity corrected radiation pyrometer integrated with a reflectometer and roughness sensor for measuring true surface temperature at a distance from the sample | 20030021835 | 7/11/2003 |
| 97. In situ optical surface temperature measuring techniques and devices | 20040258130 | 12/23/04 |
| 98. Optical techniques for measuring layer thicknesses and other surface characteristics of objects such as semiconductor wafers | 20050105103 | 5/19/05 |
| 99. In situ optical surface temperature measuring techniques and devices | 20060140248 | 6/29/06 |
| 100. Method for adapting an existing thermal imaging device | 7348562 | 3/25/08 |
| 101. Respiratory gas analyzer | 5464982 | 11/7/95 |
| 102. Sensor support subassembly | 5582797 | 12/10/96 |
| 103. An electro-optical board assembly for measuring the temperature of an object surface from infra-red emissions | 5717608 | 2/10/98 |
| 104. Non-contact optical techniques for measuring surface conditions | 5769540 | 6/23/98 |
| 105. Interference removal | 5786886 | 7/28/98 |
| 106. Novel multiple-gas NDIR analyzer | 5811812 | 9/22/98 |
| 107. Electro optical board assembly for measuring the temperature of an object surface from infra red emissions thereof including an automatic gain control therefore | 5897610 | 4/27/99 |

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| 108. In situ technique for monitoring and controlling a process of chemical-mechanical-polishing via a radiative | 6010538 | 1/4/00 |
| 109. Signal processing for in situ monitoring of the formation or removal of a transparent layer | 6028669 | 2/22/00 |
| 110. Polarization interferometer spectrometer with rotatable birefringent element | 6222632 | 4/24/01 |
| 111. Liquid etch endpoint detection and process metrology | 6406641 | 6/18/02 |
| 112. Infrared spectrophotometer employing sweep | 6528791 | 3/4/03 |
| 113. Optical techniques for measuring layer thickness and other surface characteristics of objects such as | 6570662 | 5/27/03 |
| 114. In situ optical surface temperature measuring technique | 6572265 | 6/3/03 |
| 115. Optical technique for measuring layer thicknesses and other surface characteristics of objects such as | 6654132 | 11/25/03 |
| 116. Thermal imaging combination and method | 6798587 | 9/28/04 |
| 117. Respiratory gas analyzer | 6818895 | 11/16/04 |
| 118. Optical technique for measuring layer thicknesses and other surface characteristics of objects such as | 6934040 | 8/23/05 |
| 119. Optical technique for measuring layer thicknesses and other surface characteristics of objects such as | 7042581 | 5/9/06 |
| 120. In situ optical surface temperature measuring technique | 7080940 | 7/25/06 |
| 121. Method for adapting an existing thermal imaging | 7348562 | 3/25/08 |
| 122. In situ optical surface temperature measuring technique | 7374335 | 5/20/08 |
| 123. System and method for monitoring asset health by dissolved gas measurement | 14001947 | 8/28/13 |
| 124. Respiratory gas analyzer | 5464982 | 11/7/95 |
| 125. Sensor support subassembly | 5582797 | 12/10/96 |
| 126. An electro-optical board assembly for measuring the temperature of an object surface from | 5717608 | 2/10/98 |
| 127. Non-contact optical techniques for measuring surface conditions | 5769540 | 6/23/98 |
| 128. Interference removal | 5786886 | 7/28/98 |
| 129. Novel multiple-gas NDIR analyzer | 5811812 | 9/22/98 |
| 130. Electro optical board assembly for measuring the temperature of an object surface from infra red | 5897610 | 4/27/99 |
| 131. In situ technique for monitoring and controlling a process of chemical-mechanical-polishing via a | 6010538 | 1/4/00 |
| 132. Signal processing for in situ monitoring of the formation or removal of a transparent layer | 6028669 | 2/22/00 |
| 133. Polarization interferometer spectrometer with rotatable birefringent element | 6222632 | 4/24/01 |

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| 134. Liquid etch endpoint detection and process metrology | 6406641 | 6/18/02 |
| 135. Infrared spectrophotometer employing sweep diffraction grating | 6528791 | 3/4/03 |
| 136. Optical techniques for measuring layer thickness and other surface characteristics of objects | 6570662 | 5/27/03 |
| 137. In situ optical surface temperature measuring technique and devices | 6572265 | 6/3/03 |
| 138. Optical technique for measuring layer thicknesses and other surface characteristics of | 6654132 | 11/25/03 |
| 139. Thermal imaging combination and method | 6798587 | 9/28/04 |
| 140. Respiratory gas analyzer | 6818895 | 11/16/04 |
| 141. Optical technique for measuring layer thicknesses and other surface characteristics of | 6934040 | 8/23/05 |
| 142. Optical technique for measuring layer thicknesses and other surface characteristics of | 7042581 | 5/9/06 |
| 143. In situ optical surface temperature measuring technique and devices | 7080940 | 7/25/06 |
| 144. Method for adapting an existing thermal imaging device | 7348562 | 3/25/08 |
| 145. In situ optical surface temperature measuring technique and devices | 7374335 | 5/20/08 |
| 146. System and method for monitoring asset health by dissolved gas measurement | 14001947 | 8/28/13 |

Lender's security interest recorded against some or all of the items at the US Patent and Trademark Office at Reel and Frame Number 019224/0843, at Reel and Frame Number 027920/0637, at Reel and Frame Number 033106/0277, and at Reel/Frame Number 043682/0236.

EXHIBIT A**Trademarks**

| Description | Patent / Application Number | Issue / Application Date |
|---------------------------|--|-------------------------------------|
| 1. ILLUMA | 78656476 | 6/22/2005 |
| 2. THERMASSET | 78306554 | 9/29/2003 |
| 3. OPTIMA 90000 | 75264397 | 5/25/1999 |
| 4. ACCUFIBER | 74090171 | 8/21/1990 |
| 5. FLUOROPTIC | 73616762 | 8/26/1986 |
| 6. LUXTRON | 73616723 | 8/26/1986 |
| 7. FOCAL POINT | 77138448 | 3/23/07 |
| 8. LumaSense Technologies | 85070950 | 6/24/10 |
| 9. LUMASHIELD | 85170526 | 11/05/10 |
| 10. LUMASMART | 77883898 | 12/2/09 |
| 11. FOCAL POINT | 77138448 | 3/23/07 |
| 12. SPYGLASS | 76437455 | 8/5/02 |
| 13. MIKRON | 72377173 | 11/25/70 |
| 14. THERMASSET | 78306554 | 9/29/03 |
| 15. ACCUFIBER | 74090171 | 8/21/90 |
| 16. FLUOROPTIC | 73616762 | 8/26/86 |
| 17. LUXTRON | 73616723 | 8/26/86 |
| 18. LUMASENSE | 86009637 | 7/13/13 |
| 19. LumaSMART iCore | 86005491 | 7/9/13 |
| 20. impac | 86005419 | 7/9/13 |
| 21. INNOVA | 86004643 | 7/8/13 |
| 22. SmartDGA | 86004595 | 7/8/13 |
| 23. DGA Viewer | 86004547 | 7/8/13 |
| 24. SmartDGA Go | 86004525 | 7/8/13 |
| 25. EZHub | 86004499 | 7/8/13 |
| 26. Design | 86004439 | 7/8/13 |
| 27. SmartDGA Guide | 86004413 | 7/8/13 |
| 28. SmartDGA Gauge | 86004383 | 7/8/13 |
| 29. SmartDGA Guard | 86004319 | 7/8/13 |
| 30. SmartDGA | 85641484 | 6/1/12 |

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| 31. SmartDGA Guide | 87023634 | 5/3/16 |
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Lender's security interest recorded against some or all of the items at the US Patent and Trademark Office at Reel and Frame Number 019224/0843, at Reel and Frame Number 027920/0637, at Reel and Frame Number 033106/0277, and at Reel/Frame Number 043682/0236.