IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Patent of: | Smith et al. |
|---------------------|------------------|
| U.S. Patent No.: | 7,241,034 B2 |
| Issue Date: | July 10, 2007 |
| Appl. Serial No.: | 10/285,312 |
| Filing Date: | October 31, 2002 |
| Reexam. Cert. No.: | 7,241,034 C1 |
| Reexam. Cert. Date: | June 14, 2013. |

Title: AUTOMATIC DIRECTIONAL CONTROL SYSTEM FOR VEHICLE HEADLIGHTS

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PETITION FOR INTER PARTES REVIEW OF CLAIMS 3-26 AND 28-35 OF UNITED STATES PATENT NO. 7,241,034 C1 PURSUANT TO 35 U.S.C. §§ 311–319, 37 C.F.R. § 42

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| | Kato Claim Chart for Kato Takahashi discloses the threshold limit Claims 7, 8, 14-18, 20-21, 23-24, 28 at unpatentable as obvious from Kato in v | | |
| | 5. Takahashi also discloses the additional dependent claims 9, 13, 29, 31 and 35. | | |

| | 6. Claims 9, 13, 29, 31 and 35 are unpatentable as obvious |
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| H. | IPR Ground 8 – Claims 3 and 6 are unpatentable as obvious |
| | from Kato in view of Uguchi |
| | 1. All of the limitations of independent claim 3 and |
| | dependent claim 6 are disclosed in Kato, except the |
| | threshold and rate of change of steering angle limitations |
| | of claim 3, which are disclosed in Uguchi |
| | 2. Uguchi discloses the threshold limitation and the rate of |
| | change of steering angle limitation in |
| | claim 3 |
| | 3. Independent claim 3 and dependent claim 6 are |
| | unpatentable as obvious from the combination of Kato |
| | and Uguchi |
| I. | IPR Ground 9 – Claim 4 is unpatentable as obvious from Kato |
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VII.

EXHIBIT LIST

| Exhibit No. | Title of Document |
|-------------|--|
| SL-1001 | U.S. Patent No. 7,241,034 |
| SL-1002 | Reexamination Certificate, U.S. Patent No. 7,241,034 C1 |
| SL-1003 | File History for U.S. Serial No. 10/285,312 |
| SL-1004 | File History for Ex Parte Reexamination Proceedings 90/011,011 |
| SL-1005 | File History for Merged Reexamination Proceedings 90/011,011 & 95/001,621 |
| SL-1006 | Kato, Japan Patent Application Publication H10-324191 ("Kato") |
| SL-1007 | Certified Translation of Kato |
| SL-1008 | Takahashi, UK Published Patent Application GB 2 309 774 A ("Takahashi") |
| SL-1009 | Mori et al., Japan Patent Application Publication H7-164960 ("Mori") |
| SL-1010 | Certified Translation of Mori |
| SL-1011 | Uguchi et al, Japan Patent Application Publication H01-223042 ("Uguchi") |
| SL-1012 | Certified Translation of Uguchi |
| SL-1013 | Ishikawa et al, "Auto-Levelling Projector Headlamp System with Rotatable Light Shield," SAE Technical Paper Series No. 930726, March 1993 ("Ishikawa") |
| SL-1014 | Panter, U.S. Patent No. 5,751,832 ("Panter") |
| SL-1015 | Suzuki et al., Japan Patent Application Publication H6-335228 ("Suzuki") |
| SL-1016 | Certified Translation of Suzuki |

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| Exhibit No. | Title of Document |
|-------------|---|
| SL-1017 | Okuchi et al., U.S. Patent No. 6,193,398 ("Okuchi") |
| SL-1018 | Okuchi et al., U.S. Patent Application No. 09/333,686 ("Okuchi Application") |
| SL-1019 | Expert Declaration of Harvey Weinberg Appendix A: Harvey Weinberg CV Appendix B: Expert Declaration of Ralph V. Wilhelm |
| SL-1020 | Curriculum Vitae of Ralph V. Wilhelm |
| SL-1021 | Dunning, U.S. Patent No. 982,803 ("Dunning") |
| SL-1022 | McVey et al., U.S. Patent No. 1,524,443 ("McVey") |
| SL-1023 | Schjotz et al., U.S. Patent No. 1,595,879 ("Schjotz") |
| SL-1024 | Yssel, U.S. Patent No. 3,316,397 ("Yssel") |
| SL-1025 | Fleury et al., U.S. Patent No. 3,617,731 ("Fleury") |
| SL-1026 | USPTO Assignment Records for U.S. Patent No. 7,241,034 |
| SL-1027 | STN on the Web Session |
| SL-1028 | Hogrefe et al., U.S. Patent No. 6,227,691 ("Hogrefe") |

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