| UNITED STATES PATENT AND TRADEMARK OFFICE           |  |  |
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| BEFORE THE PATENT TRIAL AND APPEAL BOARD            |  |  |
| Intel Corporation Petitioner                        |  |  |
| ${f v}.$  |  |  |
| ParkerVision, Inc. Patent Owner                     |  |  |
| Case No. IPR2020-01265<br>U.S. Patent No. 7,110,444 |  |  |

PATENT OWNER'S RESPONSE TO PETITIONER'S IDENTIFICATION OF IMPROPER NEW EVIDENCE AND ARGUMENTS IN SUR-REPLY



Pursuant to the Board's Order (Paper 31), Patent Owner hereby responds to Petitioner's identification of portions of Patent Owner's Sur-Reply purportedly containing arguments and evidence exceeding the proper scope of a sur-reply.

| Petitioner's Identification of<br>Improper Arguments and Evidence<br>in Patent Owner's Sur-Reply (Paper<br>26) | Patent Owner's Citations to Papers and Exhibits   |
|--|---|
| Paper 26 at page 1, line 5 parenthetical ("near zero")   | Paper 21 (Reply) at 18:19-19:3; 19:8-10; 20:3-6   |
|  | Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14   |
|  | Paper 18 (Response) at 47:17-20; 54:5-7; 62:11-13; 63:15-64:5   |
|  | Ex. 2021 (Steer Decl.) at ¶¶ 264, 271, 287  |
| Paper 26 at page 1, lines 7-11   | Paper 21 (Reply) at 19:1-20:8   |
|  | Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 10, 12-13  |
|  | Paper 18 (Response) 34:6-8 (including figures on page 34); 35:1-3, 6-12; 36:1-5; 62:1-13; 63:15-64:5; 65:2-14 |
|  | Ex. 2021 (Steer Decl.) at ¶¶ 164, 172-174, 199-207, 258-264, 266-270  |
| Paper 26 at page 7, line 10 parenthetical ("near zero")  | Paper 21 (Reply) at 18:19-19:3; 19:8-10; 20:3-6   |



|  | Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  Paper 18 (Response) at 47:17-20; 54:5-7; 62:11-13; 63:15-64:2  Ex. 2021 (Steer Decl.) at ¶¶ 264, 271, 287   |
|--|--|
| Paper 26 at page 15, lines 3-6   | Paper 21 (Reply) at 18:13-14; 18:19-19:3; 20:3-4  Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  |
| Paper 26 at page 15, lines 7-9   | Paper 21 (Reply) at 18:13-14; 18:18-19:3  Paper 18 (Response) at 11:9-10; 32:2-6; 34:6-8; 35:6-8; 47:10-48:2; 49:14-50:6  Ex. 2021 (Steer Decl.) at ¶¶ 50-54, 164, 166, 197                                |
| Paper 26 at page 15, lines 7-9 (including the following figure on page 16) | Paper 21 (Reply) at 18:13-14; 18:18-19:3  Paper 18 (Response) at 11:9-10; 32:2-6; 34:6-8 (including figures on page 34); 35:6-8; 47:10-48:2; 49:14-50:6  Ex. 2021 (Steer Decl.) at ¶¶ 50-54, 164, 166, 197 |
| Paper 26 at page 16, lines 1-8 following the figure                        | Paper 21 (Reply) at 18:13-14; 18:18-19:3; 19:8-10; 20:2-4  |



|   | Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  Paper 18 (Response) at 61:6-11; 62:16-64:5  Ex. 2021 (Steer Decl.) at ¶¶50, 83, 258-264   |
|---|--|
| Paper 26 at page 17, line 7 parenthetical ("near zero")                             | Paper 21 (Reply) at 18:19-19:3; 19:8-10; 20:3-6  Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  Paper 18 (Response) at 47:17-20; 54:5-7; 62:11-13; 63:15-64:5  Ex. 2021 (Steer Decl.) at ¶¶ 264, 271, 287    |
| Paper 26 at page 17, line 9 to page 18, line 2 (including footnote 14) <sup>1</sup> | Paper 21 (Reply) at 18:13-14; 18:18-19:3; 19:8-10; 20:2-4  Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  Paper 18 (Response) at 61:6-8, 11-12; 62:16-64:5  Ex. 2021 (Steer Decl.) at ¶¶ 50-54, 164, 258-264 |
| Paper 26 at page 18, lines 3-5 (including footnote 15)                              | Paper 21 (Reply) at 19:1-20:8  |

<sup>&</sup>lt;sup>1</sup> Footnotes are excluded from Petitioner's line ranges unless otherwise specified.



|  | Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 10-13  Paper 18 (Response) 34:6-8 (including figures on page 34); 35:1-3, 6-12; 36:1-5; 62:1-13; 63:15-64:5; 65:2-14  Ex. 2021 (Steer Decl.) at ¶¶ 164, 172-174, 199-207, 258-264, 266-270 |
|--|---|
| Paper 26 at page 18, lines 7-9                                 | Paper 21 (Reply) at 18:13-14; 18:19-19:3; 19:8-10; 20:3-4  Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  Paper 18 (Response) at 61:6-8, 11-12; 62:1-10; 63:1-10  Ex. 2021 (Steer Decl.) at ¶¶54, 246-250, 255-256, 259-260         |
| Paper 26 at page 19, lines 1-4  Paper 26 at page 20, lines 4-8 | Paper 21 (Reply) at 18:13-14; 18:19-19:3; 19:8-10; 20:3-4  Ex. 1030 (Subramanian Reply Decl.) at ¶¶ 6-14  Paper 21 (Reply) at 18:13-14; 18:19-19:3; 19:8-10; 20:3-4  Ex. 1030 (Subramanian Reply Decl.) at                          |
| Paper 26 at page 20, lines 9-13 (including footnote 17)        | Paper 21 (Reply) at 18:13-14; 18:19-19:3; 19:8-10; 20:3-4   |



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