### UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ALIGN TECHNOLOGY, INC. Petitioner

v.

3SHAPE A/S Patent Owner

Case No. PGR2018-00103 Patent No. 9,962,244

### SECOND CORRECTED DECLARATION OF DR. CHANDRAJIT L. BAJAJ, PH.D. IN SUPPORT OF POST-GRANT REVIEW OF U.S. PATENT NO. 9,962,244

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2.	[1.1]: "a multichromatic light source configured for providing a multichromatic probe light for illumination of the object."
3.	[1.2]: "a color image sensor comprising an array of image sensor pixels for capturing one or more 2D images of light received from said object"
4.	[1.3.a]: "wherein the focus scanner is configured to operate by translating a focus plane along an optical axis of the focus scanner"
5.	[1.3.b]: "wherein the focus scanner is configured to operate bycapturing a series of the 2D images, each 2D image of the series is at a different focus plane position such that the series of captured 2D images forms a stack of 2D images"
6.	[1.4.a]: "a data processing system configured to derive surface geometry information for a block of said image sensor pixels from the 2D images in the stack of 2D images captured by said color image sensor"
7.	[1.4.b]: "the data processing system also configured to derive surface color information for the block of said image sensor pixels from at least one of the 2D images used to derive the surface geometry information"
8.	[1.5.a]: "wherein the data processing system further is configured to combining [sic] a number of sub-scans to generate a digital 3D representation of the object"
9.	[1.5.b]: "determining [sic] object color of a least one point of the generated digital 3D representation of the object from sub-scan color of the sub-scans combined to generate the digital 3D representation"
10.	[1.5.c]: "such that the digital 3D representation expresses both geometry and color profile of the object"53
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