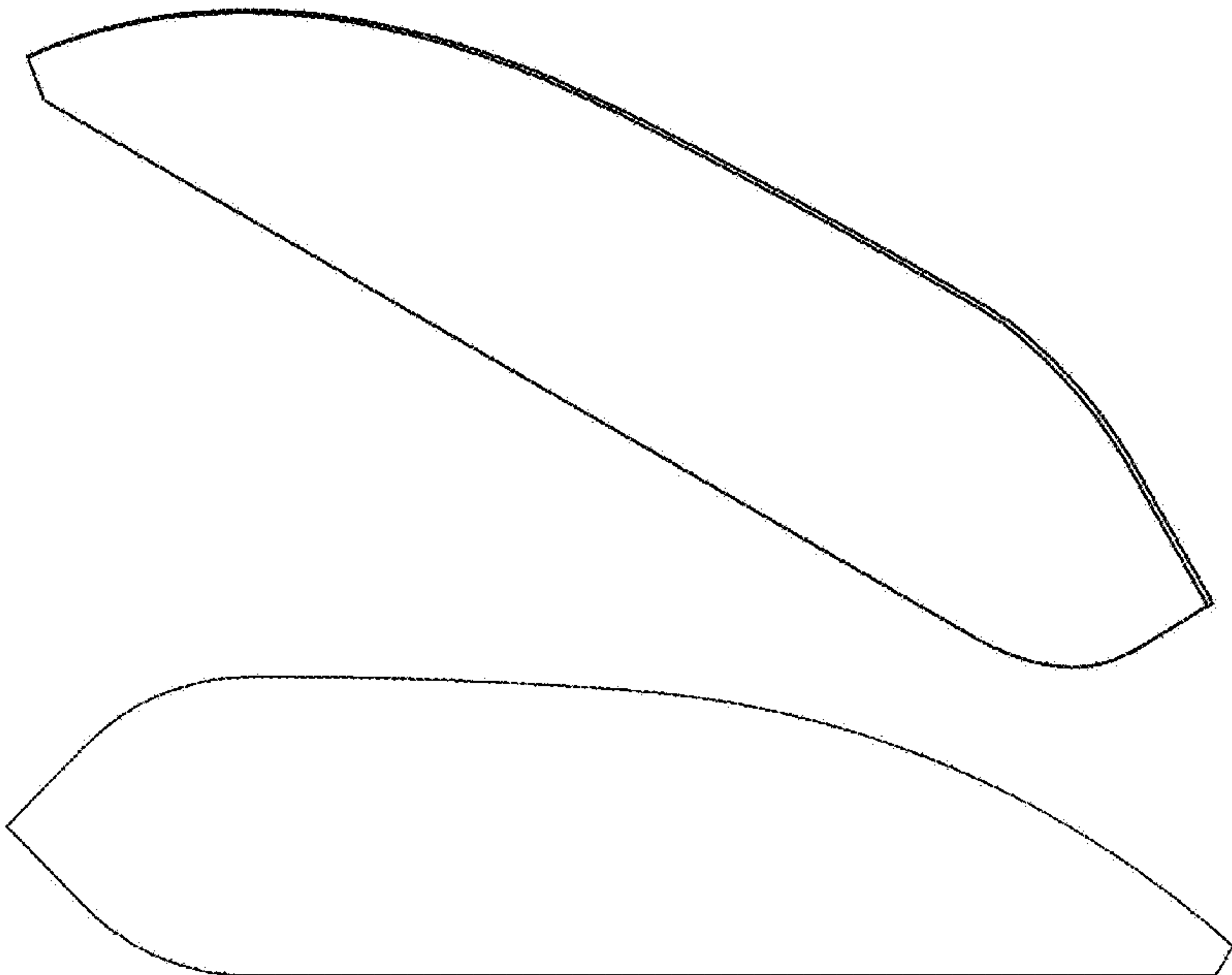


(12) **United States Design Patent**  
**Suh et al.**

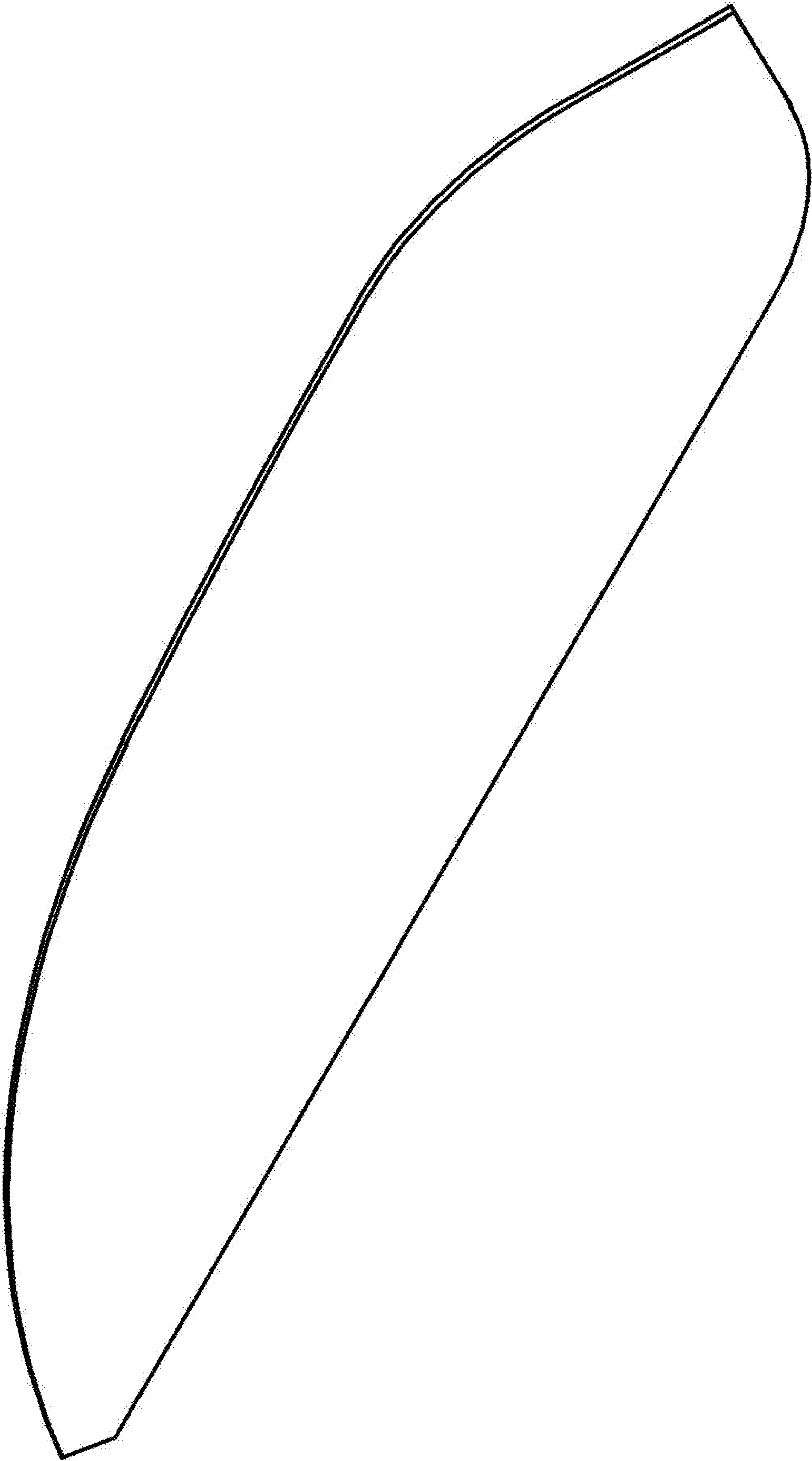
(10) **Patent No.:** **US D1,092,669 S**

(45) **Date of Patent:** **\*\* Sep. 9, 2025**

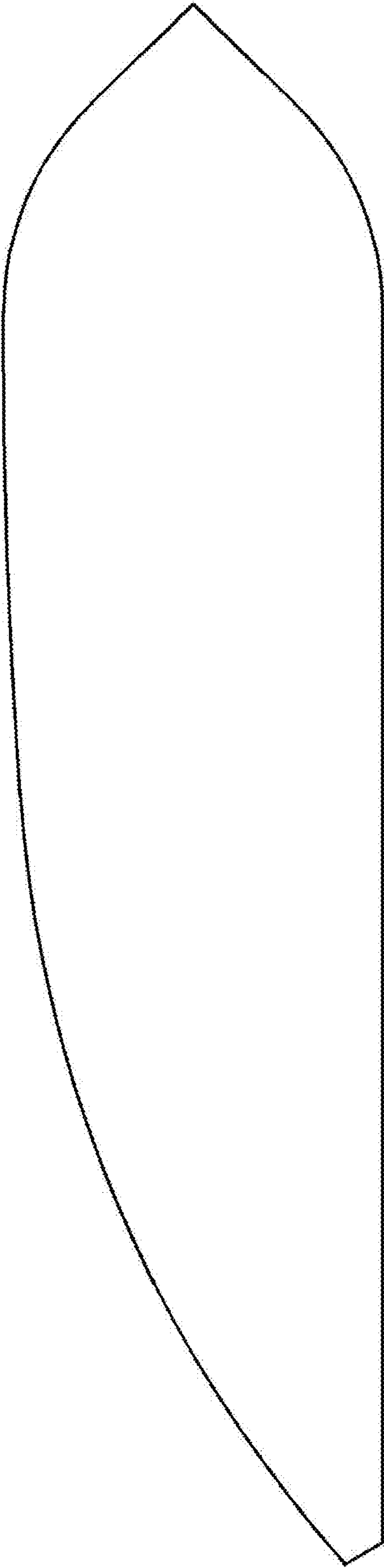
|                                                                                                                                                                                         |                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| (54) <b>ARROW FEATHER</b>                                                                                                                                                               | (56) <b>References Cited</b>                                                                                          |
| (71) Applicants: <b>Hyundai Motor Company</b> , Seoul (KR); <b>Kia Corporation</b> , Seoul (KR); <b>ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY</b> , Ulsan (KR)                 | U.S. PATENT DOCUMENTS                                                                                                 |
| (72) Inventors: <b>Eun Suk Suh</b> , Seoul (KR); <b>Dong Woo Kang</b> , Ulsan (KR); <b>Seong Yun Hwang</b> , Ulsan (KR); <b>Joo Ha Kim</b> , Ulsan (KR); <b>Ji Hee Kim</b> , Ulsan (KR) | 1,842,540 A * 1/1932 Cowdery ..... F42B 6/04 473/586                                                                  |
| (73) Assignees: <b>Hyundai Motor Company</b> , Seoul (KR); <b>Kia Corporation</b> , Seoul (KR); <b>Ulsan National Institute of Science and Technology</b> , Ulsan (KR)                  | 4,204,307 A * 5/1980 Pftzing ..... F42B 6/06 29/418                                                                   |
| (**) Term: <b>15 Years</b>                                                                                                                                                              | 5,039,110 A * 8/1991 Honda ..... F42B 6/06 473/586                                                                    |
| (21) Appl. No.: <b>35/522,141</b>                                                                                                                                                       | 5,114,107 A * 5/1992 Mahn ..... F41B 5/14 248/217.4                                                                   |
| (22) Filed: <b>Feb. 29, 2024</b>                                                                                                                                                        | 5,154,432 A * 10/1992 Saunders ..... F42B 6/06 473/578                                                                |
| (80) <b>Hague Agreement Data</b>                                                                                                                                                        | 5,427,385 A * 6/1995 Conrad ..... F42B 6/06 473/586                                                                   |
| Int. Filing Date: <b>Feb. 29, 2024</b>                                                                                                                                                  | D599,874 S * 9/2009 Klein ..... D22/107                                                                               |
| Int. Reg. No.: <b>DM/236318</b>                                                                                                                                                         | D606,615 S * 12/2009 Andrews ..... D22/107                                                                            |
| Int. Reg. Date: <b>Feb. 29, 2024</b>                                                                                                                                                    | D844,090 S * 3/2019 Dahl, II ..... D22/107                                                                            |
| Int. Reg. Pub. Date: <b>Aug. 30, 2024</b>                                                                                                                                               | 2006/0183579 A1 * 8/2006 Afshari ..... F42B 6/06 473/586                                                              |
| (51) <b>LOC (15) Cl.</b> ..... <b>22-01</b>                                                                                                                                             | * cited by examiner                                                                                                   |
| (52) <b>U.S. Cl.</b>                                                                                                                                                                    | <i>Primary Examiner</i> — Michael A. Pratt                                                                            |
| USPC ..... <b>D22/107</b>                                                                                                                                                               | (57) <b>CLAIM</b>                                                                                                     |
| (58) <b>Field of Classification Search</b>                                                                                                                                              | The ornamental design for an arrow feather as shown and described.                                                    |
| USPC ..... D22/100–104, 108, 199; D8/356                                                                                                                                                | <b>DESCRIPTION</b>                                                                                                    |
| CPC .. F42B 6/04; F42B 6/06; F42B 12/362; F42B 6/02                                                                                                                                     | 1. Arrow feather                                                                                                      |
| See application file for complete search history.                                                                                                                                       | 1.1 : Perspective                                                                                                     |
|                                                                                                                                                                                         | 1.2 : Front                                                                                                           |
|                                                                                                                                                                                         | 1.3 : Back                                                                                                            |
|                                                                                                                                                                                         | 1.4 : Left                                                                                                            |
|                                                                                                                                                                                         | 1.5 : Right                                                                                                           |
|                                                                                                                                                                                         | 1.6 : Top                                                                                                             |
|                                                                                                                                                                                         | 1.7 : Bottom                                                                                                          |
|                                                                                                                                                                                         | 1.8 : Reference view                                                                                                  |
|                                                                                                                                                                                         | Reproduction 1.8 is a reference view showing an example of the usage of the claimed design and forms no part thereof. |
|                                                                                                                                                                                         | <b>1 Claim, 8 Drawing Sheets</b>                                                                                      |



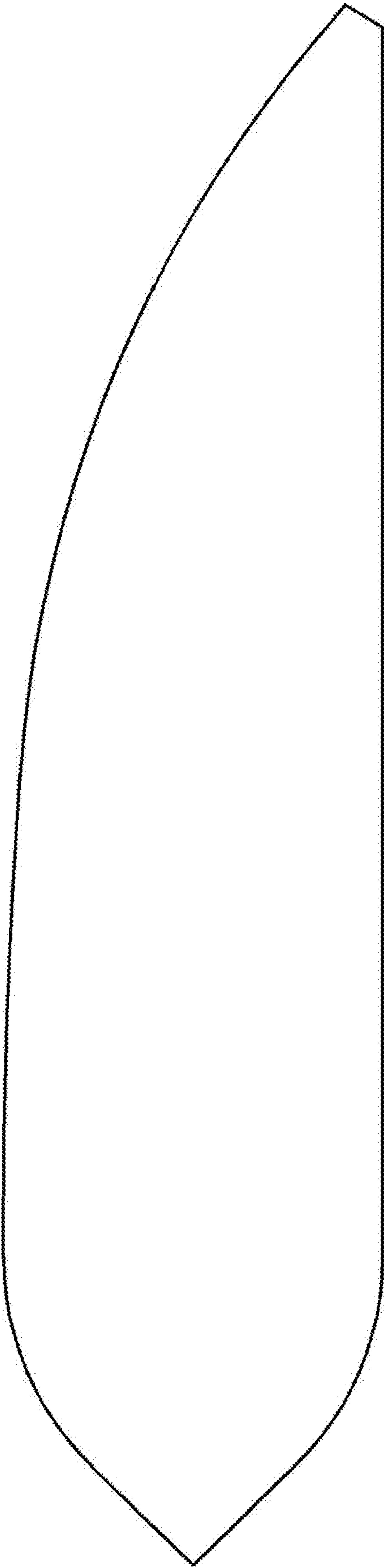
1.1



1.2



1.3





1.4



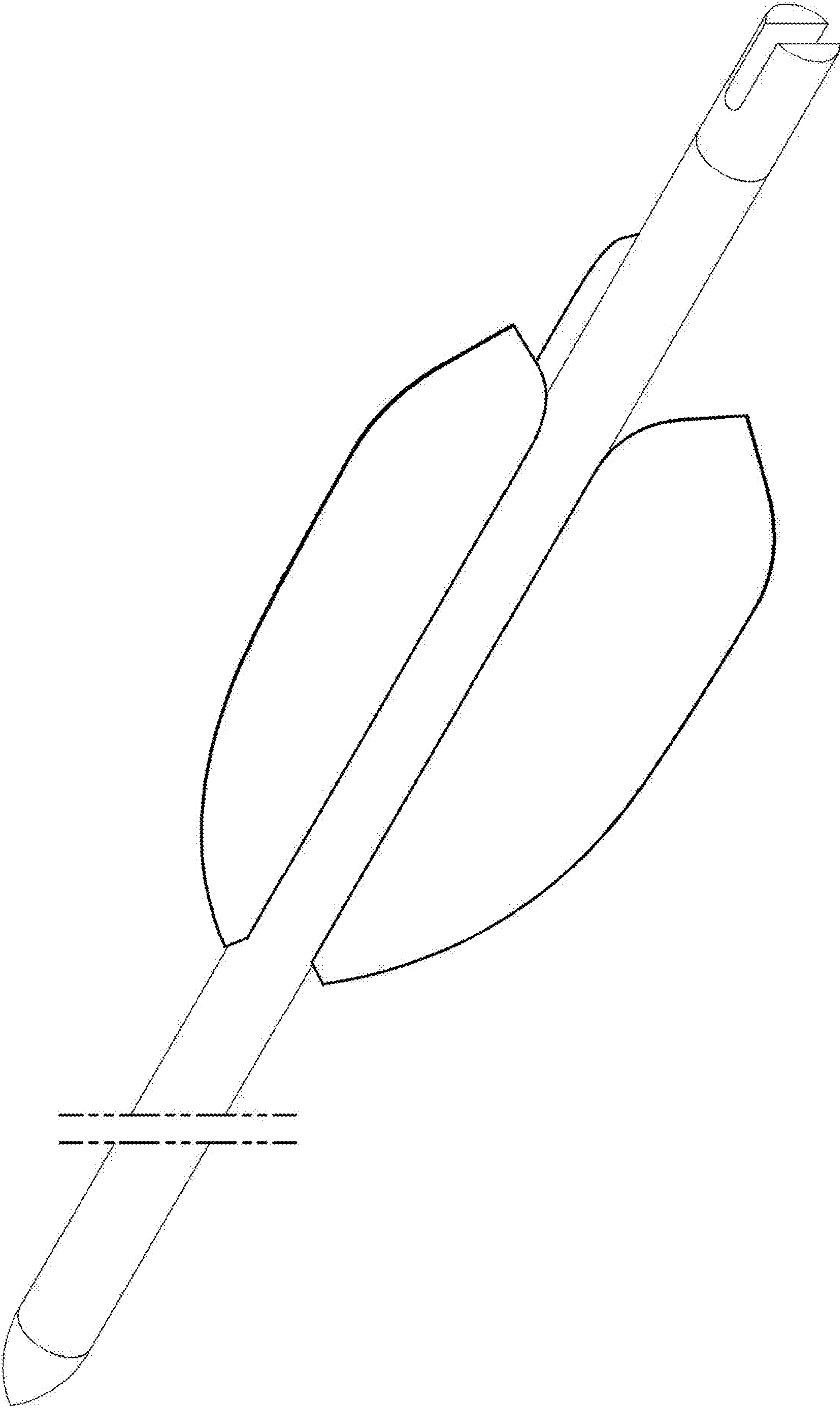
1.5

1.6





1.8



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D1,092,669 S  
APPLICATION NO. : 35/522141  
DATED : September 9, 2025  
INVENTOR(S) : Eun Suk Suh et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Please add:

**(30) Foreign Application Priority Data**

September 12, 2023 (KR) ..... 30-2023-0035872

Signed and Sealed this  
Twenty-fifth Day of November, 2025



John A. Squires  
*Director of the United States Patent and Trademark Office*