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**Van Swieten**

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(54) **PHALAEOPSIS ORCHID PLANT NAMED**  
**'PHALFUBNE'**

(50) Latin Name: *Phalaenopsis* hybrid  
Varietal Denomination: **PHALFUBNE**

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patent is extended or adjusted under 35  
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct variety of *Phalaenopsis* plant named  
'PHALFUBNE', particularly characterized by having large,  
white flowers with a light yellow-green lip, 1 to 2 peduncles  
that are long and sturdy, leaves that are oblong, and is  
propagated by meristem tissue culture, is disclosed.

**3 Drawing Sheets**

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Genus and species: *Phalaenopsis* hybrid.  
Variety denomination: 'PHALFUBNE'.

**BACKGROUND OF THE NEW PLANT**

The present invention relates to a new and distinct cultivar  
of *Phalaenopsis* plant, botanically known as *Phalaenopsis*  
hybrid of the Orchidaceae family, commonly referred to as  
moth orchid, and hereinafter referred to by the variety name  
'PHALFUBNE'.

The new *Phalaenopsis* plant is a product of a planned  
breeding program conducted by the inventor in Bleiswijk,  
The Netherlands. The objective of this breeding program  
was to create a new *Phalaenopsis* plant with attractive and  
unique large, white flowers with a light yellow-green lip,  
suitable for potted plant production.

The new *Phalaenopsis* plant 'PHALFUBNE' is a result of  
cross-pollination made by the inventor in June 2008 in  
Bleiswijk, The Netherlands of the proprietary female, or  
seed parent, *Phalaenopsis* hybrid '6541-01' (unpatented)  
with the proprietary male, or pollen parent, *Phalaenopsis*  
hybrid '01-1988' (unpatented).

The new *Phalaenopsis* was selected by the inventor as a  
single plant within the progeny of the stated cross-pollina-  
tion in a controlled greenhouse in Bleiswijk, The Nether-  
lands in February 2011. Asexual reproduction of the new  
*Phalaenopsis* plant by meristem tissue culture since 2013 in  
Bleiswijk, The Netherlands, has demonstrated that the new  
variety reproduces true to type with all of the characteristics,  
as herein described, firmly fixed and retained through suc-  
cessive generations.

Plant Breeder's Rights for this variety have been applied  
for in Europe on Apr. 24, 2017. 'PHALFUBNE' has not been  
made publicly available or sold anywhere in the world more  
than one year prior to the effective filing date of this  
application.

**SUMMARY OF THE INVENTION**

The following are the most outstanding and distinguish-  
ing characteristics of this new cultivar when grown under

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normal horticultural practices in Bleiswijk, The Netherlands  
and can be used to distinguish 'PHALFUBNE' as a new arid  
distinct variety of *Phalaenopsis* plant.

- 1) Large, white flowers with a light yellow-green lip;
- 2) 1 to 2 peduncles;
- 3) Peduncle is long and sturdy; and
- 4) Shape of the leaf is oblong.

**DESCRIPTION OF THE PHOTOGRAPHS**

This new *Phalaenopsis* plant is illustrated by the accom-  
panying photographs which show the overall plant habit  
including blooms, buds and foliage of the plant; the colors  
shown are as true as can be reasonably obtained by conven-  
tional photographic procedures. The photographs were taken  
in a greenhouse in Bleiswijk, The Netherlands, from  
50-week old plants in October 2017. Colors in the photo-  
graphs may differ from the color values cited in the detailed  
botanical description, which accurately describe the actual  
colors of the new variety.

FIG. 1 shows the overall plant habit, including blooms,  
buds and foliage of 'PHALFUBNE'.

FIG. 2 shows a close-up of a flower of 'PHALFUBNE'.

FIG. 3 shows a close-up of the leaves of 'PHALFUBNE'.

**DESCRIPTION OF THE NEW VARIETY**

The following detailed description sets forth the distinc-  
tive characteristics of 'PHALFUBNE'. Plants of the new  
*Phalaenopsis* have not been observed under all possible  
environmental conditions. The phenotype may vary some-  
what with variations in environment such as temperature,  
light intensity and day length, without, however, any vari-  
ance in genotype. The chart used in the identification of  
colors described herein is The R.H.S. Colour Chart of The  
Royal Horticultural Society, London, England, 2015 edition,  
except where general color terms of ordinary significance  
are used. The color values were determined under 4000-

6000 lux natural light in a greenhouse in Bleiswijk, The Netherlands. Observations and measurements were made in October 2017 on 48- to 50-week old plants which were planted from a nursery tray in 12 centimeter (diameter) pots and grown in a greenhouse between 27° C. to 29° C. for 30 weeks, continued by a cooling period of 8 weeks between 18° C. to 20° C. and 12 weeks in a greenhouse of 21° C.

#### DETAILED BOTANICAL DESCRIPTION

##### Classification:

*Family*.—Orchidaceae.

*Botanical*.—*Phalaenopsis* hybrid.

*Common name*.—Moth orchid.

*Variety name*.—‘PHALFUBNE’.

##### Parentage:

*Female parent*.—*Phalaenopsis* cultivar ‘6541-01’ (unpatented).

*Male parent*.—*Phalaenopsis* cultivar ‘01-1988’ (unpatented).

##### Propagation:

*Type*.—Meristem tissue culture.

##### Roots:

*Root description*.—Greyed-green colored roots (RHS 190B/C) with branching lateral roots having light green colored root tips (RHS 1460).

##### Plant:

*Commercial crop time to flowering*.—Following asexual propagation (in-vitro), the rooted cutting grows for 20 to 24 weeks. After transplantation into a 12 cm pot, the plants are finished after 48 to 50 weeks.

*Growth habit of peduncle*.—Standard, green leaves, raceme.

*Height (from soil level to top of inflorescence)*.—Approximately 65.0 cm to 70.0 cm.

*Width (measured from leaf tips)*.—About 29.0 cm to 32.0 cm.

*Vigor*.—Moderate.

##### Leaves:

*Mature leaves*.—Quantity per plant: 6 to 8 leaves are produced before flowering. Length (fully expanded): 17.0 cm to 19.0 cm. Width: 8.0 cm to 9.0 cm. Shape: Oblong. Base shape: Moderately elongated. Apex: Rounded unequal. Leaf blade angle with the petiole (measured from the horizontal position): Between 30 degrees and 40 degrees. Leaf margin: Entire. Color: Upper surface: RHS 147A. Lower surface: RHS 147B. Texture: Rough. Thickness: 2.0 mm to 3.0 mm. Venation: Pattern: Parallel. Color of the mid-vein: Upper surface: RHS 147A. Lower surface: RHS 147B.

##### Peduncle:

*Quantity per plant*.—1 to 2.

*Number of flowers per peduncle*.—10 to 12.

*Length*.—65.0 cm to 70.0 cm.

*Diameter*.—6.0 mm to 7.0 mm.

*Strength*.—Strong.

*Aspect*.—Upright to slightly pendant.

*Texture*.—Smooth.

*Color*.—Green (RHS 146A) with a touch of light brown (RHS N199B).

*Internode length*.—4.0 cm to 5.0 cm.

*Callosities*.—None.

##### Inflorescence description:

*Appearance*.—Upright to slightly pendant, raceme inflorescence with bilaterally symmetrical flowers that open in succession beginning with the lowermost flower.

*Inflorescence size*.—Height (from base to tip): 270.0 mm to 290.0 mm.

*Flowering time*.—First flowers can be expected 10 to 11 months after planting in a 12 cm (diameter) pot.

*Flower*.—Height: 97.0 mm to 102.0 mm. Diameter: 112.0 mm to 117.0 mm. Depth of lip: 26.0 mm to 28.0 mm.

*Flower longevity*.—On the plant: 20 to 23 weeks.

*Fragrance*.—Absent.

*Flower bud*.—Average size: Large. Length: 26.0 mm to 28.0 mm. Width: 21.0 mm to 23.0 mm. Shape: Egg shaped. Color: Very light green (RHS 145C) with diluting very light purple blush (RHS 76C).

*Petals*.—Arrangement: Open/free. Shape: Semi-circular. Apex: Rounded asymmetric. Margin: Slightly undulated. Length (from base to tip): 53.0 mm to 55.0 mm. Width: 70.0 mm to 72.0 mm. Color (when fully opened): Upper surface: Basic color: White (RHS NN155C). Over color: Absent. Lower surface: Basic color: White (RHS NN155C). Over color: Absent.

*Dorsal sepal*.—Shape: Broad elliptic. Apex: Obtuse symmetric. Margin: Entire. Length (from base to tip): 58.0 mm to 60.0 mm. Width: 43.0 mm to 45.0 mm. Color (when fully opened): Upper surface: Basic color: White (RHS NN155C). Over color: Absent. Lower surface: Basic color: White (RHS NN155C). Over color: Light purple (RHS 76C).

*Lateral sepals*.—Shape: Ovate. Apex: Obtuse asymmetric. Margin: Entire. Length (from base to tip): 57.0 mm to 59.0 mm. Width: 34.0 mm to 36.0 mm. Color (when fully opened): Upper surface: Basic color: White (RHS NN155C). Over color: Absent. Lower surface: Basic color: White (RHS NN155C). Over color: Light green (RHS 145D) at the base and light purple (RHS 76B) toward the tip.

*Labellum (lip)*.—Whiskers: Present. Length of whiskers: 23.0 mm to 25.0 mm. Color of whiskers: White (RHS NN155C) at the base and yellow (RHS 5A) toward the tip. Pubescence on the lip: Absent.

*Lateral lobe*.—Shape: Type V (as described in the International Union for the Protection of New Varieties of Plants (UPOV) Test Guidelines for *Phalaenopsis*); spatulate. Margin: Slightly undulated. Length: 22.0 mm to 24.0 mm. Width: 16.0 mm to 18.0 mm. Color: White (RHS NN155C); light brown (RHS 174A) stripes at the base and light green (RHS 151B and 3B) on one side.

*Apical lobe*.—Shape: Triangular to trullate. Margin: Entire. Length: 23.0 mm to 25.0 mm. Width: 26.0 mm to 28.0 mm. Color: Light green (RHS 151B and 3B) at the base; white (RHS NN155C) toward the tip.

*Callus*.—Average size: Medium to large. Height: 6.0 mm to 7.0 mm. Length: 7.0 mm to 8.0 mm. Width: 5.0 mm to 6.0 mm. Color: Yellow (RHS 9A) with brown (RHS 174A) dots.

##### Reproductive organs:

*Column*.—Length: 10.0 mm to 12.0 mm. Diameter: 6.0 mm to 7.0 mm. Color: White (RHS NN155C).

*Pollinia*.—Quantity: 2. Diameter: 0.9 mm to 1.1 mm.

Color: Orange (RHS 25A).

*Ovary*.—Length: 15.0 mm to 17.0 mm. Diameter: 2.8 mm to 3.0 mm.

*Pedicel*.—Length: 33.0 mm to 35.0 mm. Diameter: 3.0 mm to 3.2 mm. Color: Light green (RHS 146A) at the base and light purple (RHS 76C) toward the flower.

Disease, pest, and stress resistance: No specific resistance or susceptibility observed to pathogens and pests common to *Phalaenopsis* to date.

Fruit and seeds: Fruit and seed development has not been observed on plants of the new *Phalaenopsis* to date.

#### COMPARISON WITH PARENTAL LINES AND MOST SIMILAR VARIETIES

‘PHALFUBNE’ differs from female parent plant ‘6541-01’ (unpatented) in that ‘PHALFUBNE’ has a rounded leaf apex and raceme inflorescence, whereas ‘6541-01’ has an obtuse leaf apex and panicle inflorescence. Additionally, ‘PHALFUBNE’ has shorter whiskers and larger flowers than ‘6541-01’.

‘PHALFUBNE’ differs from male parent plant ‘01-1988’ (unpatented) in that ‘PHALFUBNE’ has a moderately elongated leaf base shape, a rounded leaf apex and raceme

inflorescence, whereas ‘01-1988’ has a very elongated leaf base shape, an obtuse leaf apex and raceme to panicle inflorescence.

‘PHALFUBNE’ is most similar to the commercial *Phalaenopsis* plants named ‘PHALFMACON’ (U.S. Plant Pat. No. 29,614) and ‘PHALCARDOK’ (U.S. Plant Pat. No. 25,447). ‘PHALFUBNE’ differs from the commercial variety ‘PHALFMACON’ in that ‘PHALFUBNE’ has green peduncles with a touch of light brown, whereas ‘PHALFMACON’ has brown peduncles with a touch of green. Additionally, ‘PHALFUBNE’ has larger flowers and shorter whiskers than ‘PHALFMACON’.

‘PHALFUBNE’ differs from the commercial variety ‘PHALCARDOK’ in that ‘PHALFUBNE’ has a yellow callus with brown dots and green peduncles with a touch of light brown, whereas ‘PHALCARDOK’ has an orange callus with brown dots and brown peduncles. Additionally, ‘PHALFUBNE’ has larger flowers than ‘PHALCARDOK’.

I claim:

1. A new and distinct variety of *Phalaenopsis* plant named ‘PHALFUBNE’, substantially as described and illustrated herein.

\* \* \* \* \*



FIG. 1

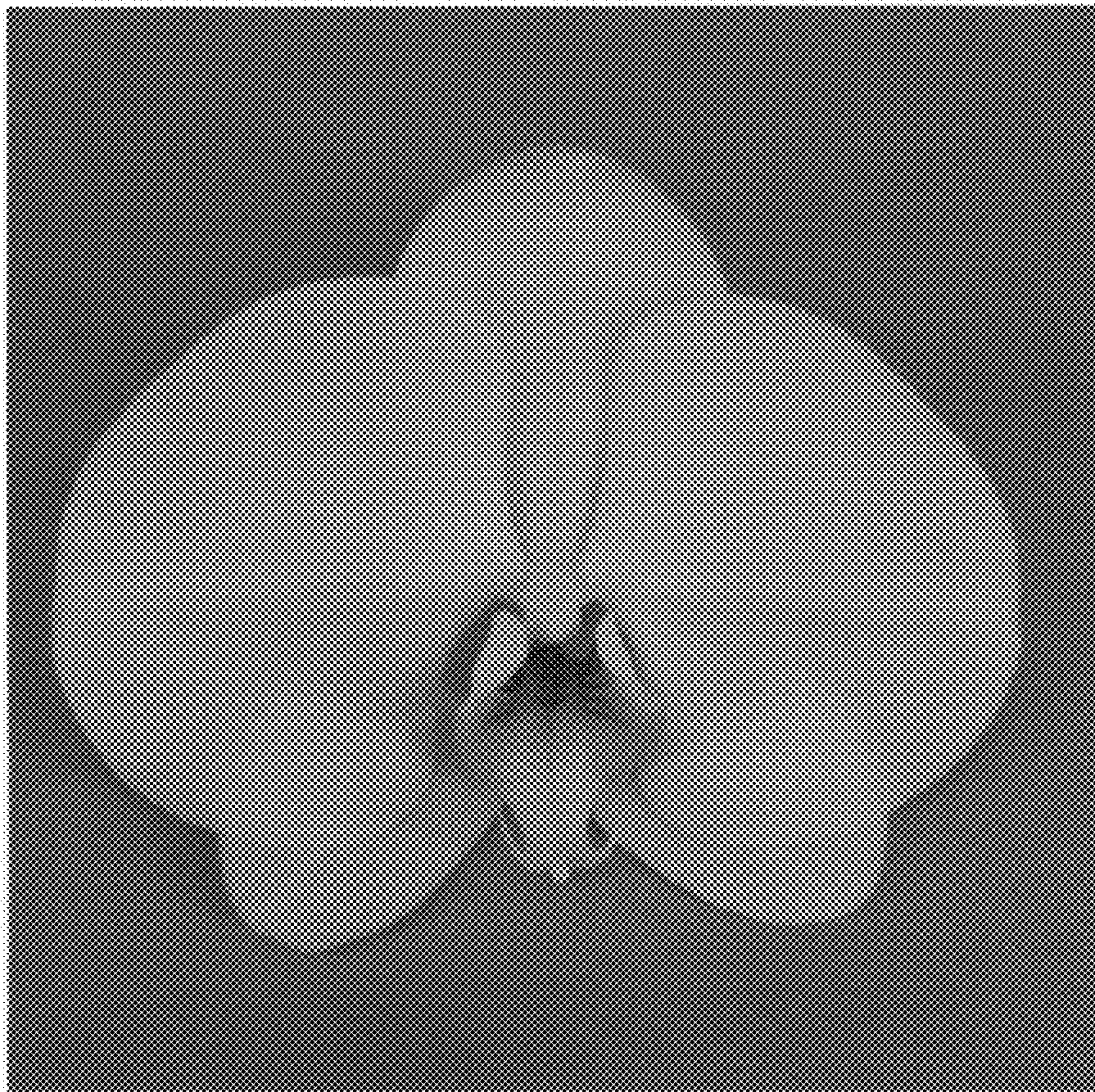


FIG. 2

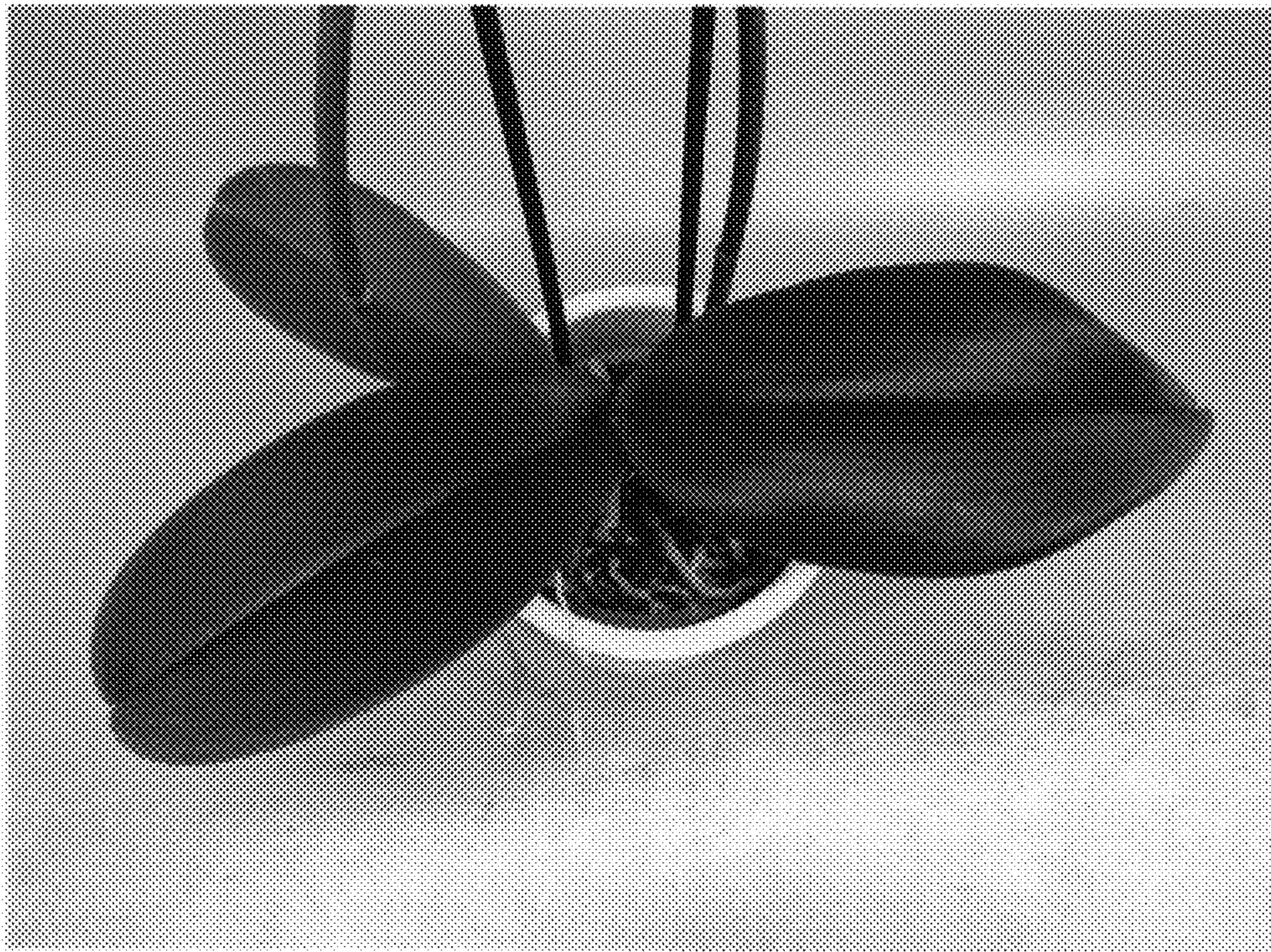


FIG. 3