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**Van Swieten**

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

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

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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  
'PHALCISYP', particularly characterized by having light  
yellow-green flowers with red-purple lips, 1 to 3 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: 'PHALCISYP'.

**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  
'PHALCISYP'.

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 light yellow-  
green flowers and red-purple lips, suitable for potted plant  
production.

The new *Phalaenopsis* plant 'PHALCISYP' is a result of  
cross-pollination made by the inventor in February 2002 in  
Bleiswijk, The Netherlands of the proprietary female, or  
seed parent, *Phalaenopsis* hybrid '06733-0001' (unpatented)  
with the proprietary male, or pollen parent, *Phalaenopsis*  
hybrid '20064-0001' (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 December 2005. Asexual reproduction of the new  
*Phalaenopsis* plant by meristem tissue culture since 2010 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. 18, 2016. 'PHALCISYP' has not been  
made publicly available or sold anywhere in the world more  
than one year prior to the 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 'PHALCISYP' as a new and  
distinct variety of *Phalaenopsis* plant.

- 1) Light yellow-green flowers with red-purple lips;
- 2) 1 to 3 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 August 2016. 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 'PHALCISYP'.

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

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

**DESCRIPTION OF THE NEW VARIETY**

The following detailed description sets forth the distinc-  
tive characteristics of 'PHALCISYP'. 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

August 2016 on 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. 5

## DETAILED BOTANICAL DESCRIPTION

## Classification:

*Family*.—Orchidaceae. 10

*Botanical*.—*Phalaenopsis* hybrid.

*Common name*.—Moth orchid.

*Variety name*.—‘PHALCISYP’.

## Parentage:

*Female parent*.—*Phalaenopsis* cultivar ‘06733-0001’ (unpatented). 15

*Male parent*.—*Phalaenopsis* cultivar ‘20064-0001’ (unpatented).

## Propagation:

*Type*.—Meristem tissue culture. 20

## Roots:

*Root description*.—Greyed-green colored roots with branching lateral roots having light purple colored root tips. 25

## Plant:

*Commercial crop time to flowering*.—Approximately 48 to 50 weeks from a rooted cutting to finish in a 12 cm pot.

*Growth habit of peduncle*.—Standard, green leaves, raceme to panicle. 30

*Height (from soil level to top of inflorescence)*.—Approximately 50.0 cm to 55.0 cm.

*Width (measured from leaf tips)*.—About 37.0 cm to 42.0 cm. 35

*Vigor*.—Strong.

## Leaves:

*Mature leaves*.—Quantity per plant: 7 to 9 leaves are produced before flowering. Length (fully expanded): 18.0 cm to 20.0 cm. Width: 7.0 cm to 8.0 cm. Shape: Oblong. Base shape: Moderately elongated. Apex: Unequal obtuse. Leaf blade angle with the petiole (measured from the horizontal position): Between 10 degrees and 20 degrees. Leaf margin: Entire. Color: Upper surface: RHS 146B. Lower surface: RHS 144A. Texture: Rough. Thickness: 2.2 mm to 2.4 mm. Venation: Pattern: Parallel. Color of the mid-vein: Upper surface: RHS 146C. Lower surface: RHS 146B. 40 45

## Peduncle:

*Quantity per plant*.—1 to 3. 50

*Number of flowers per peduncle*.—11 to 14.

*Length*.—55.0 cm to 65.0 cm.

*Diameter*.—5.2 mm to 5.6 mm.

*Strength*.—Strong. 55

*Aspect*.—Upright to slightly pendant.

*Texture*.—Smooth.

*Color*.—Brown (RHS 200B) with a touch of green (RHS 146B).

*Internode length*.—25.0 mm to 35.0 mm. 60

*Callosities*.—None.

## Inflorescence description:

*Appearance*.—Upright to slightly pendant, raceme to panicle inflorescence with bilaterally symmetrical flowers that open in succession beginning with the lowermost flower. 65

*Inflorescence size*.—Height (from base to tip): 230.0 mm to 260.0 mm.

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

*Flower*.—Height: 82.0 mm to 87.0 mm. Diameter: 88.0 mm to 93.0 mm. Depth of lip: 23.0 mm to 25.0 mm.

*Flower longevity*.—On the plant: 9 to 13 weeks.

*Fragrance*.—Absent.

*Flower bud*.—Average size: Large. Length: 27.0 mm to 29.0 mm. Width: 22.0 mm to 24.0 mm. Shape: Egg shaped. Color: Light green (RHS 150C) with a touch of light purple (RHS N78D).

*Petals*.—Arrangement: Open/free. Shape: Semi-circular. Apex: Rounded asymmetric. Margin: Entire. Length (from base to tip): 44.0 mm to 46.0 mm. Width: 54.0 mm to 56.0 mm. Color (when fully opened): Upper surface: Basic color: Light yellow-green (RHS 150D). Over color: Diluted light purple (RHS 61A) at the base and white (RHS NN155C) at the center. Lower surface: Basic color: Light yellow-green (RHS 150D). Over color: White at the base (RHS NN155C).

*Dorsal sepal*.—Shape: Elliptic. Apex: Emarginated and symmetric. Margin: Entire. Length (from base to tip): 45.0 mm to 47.0 mm. Width: 31.0 mm to 33.0 mm. Color (when fully opened): Upper surface: Basic color: Light yellow-green (RHS 150D). Over color: White (RHS 154C) at the base. Lower surface: Basic color: Light yellow-green (RHS 150D). Over color: Light green (RHS 150D) and diluted light purple (RHS N78D).

*Lateral sepals*.—Shape: Ovate. Apex: Obtuse and asymmetric. Margin: Entire. Length (from base to tip): 47.0 mm to 49.0 mm. Width: 27.0 mm to 29.0 mm. Color (when fully opened): Upper surface: Basic color: Light yellow-green (RHS 150D). Over color: Light green (RHS 150C) and dotted at the base (RHS 183B). Lower surface: Basic color: Light yellow-green (RHS 150D). Over color: Light yellow-green (RHS 150C) and diluted light purple (RHS N78D).

*Labellum (lip)*.—Whiskers: Present. Length of whiskers: 13.0 mm to 15.0 mm. Color of whiskers: Purple (RHS 71A) with yellow (RHS 5C) tips. 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: Undulated. Length (from base to tip): 20.0 mm to 22.0 mm. Width: 16.0 mm to 18.0 mm. Color: Purple (RHS N78C) and red-purple (RHS 60A) on the side; white (RHS NN155C) and striped (RHS 183B) at the base.

*Apical lobe*.—Shape: Triangular. Margin: Entire. Length: 26.0 mm to 28.0 mm. Width: 20.0 mm to 22.0 mm. Color: Purple (RHS N78A) towards the whiskers, red-purple (RHS 60A and 183C) and yellow (RHS 5C) towards the callus; white tip (RHS NN55C) between the whiskers.

*Callus*.—Average size: Medium to large. Height: 0.4 cm to 0.6 cm. Length: 0.6 cm to 0.8 cm. Width: 0.4 cm to 0.6 cm. Color: Yellow (RHS 2A and 2D) and dotted (RHS 183B).

*Reproductive organs*.—Column: Length: 8.0 mm to 10.0 mm. Diameter: 5.5 mm to 5.7 mm. Color: White

(RHS NN155C). Pollinia: Quantity: 2. Diameter: 1.0 mm to 1.3 mm. Color: Orange (RHS 23A). Ovary: Length: 8.0 mm to 10.0 mm. Diameter: 2.3 mm to 2.5 mm. Pedicel: Length: 38.0 mm to 40.0 mm. Diameter: 2.8 mm to 3.0 mm. Color: Green (RHS 146C) at the base; light green (RHS 145C to 145D) to light purple (RHS N78D) towards the flower.

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

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

#### COMPARISON WITH PARENTAL AND COMMERCIAL VARIETIES

The female parent of 'PHALCISYP', cultivar '06733-0001' (unpatented), is no longer in existence, so a meaningful comparison cannot be made.

The male parent of 'PHALCISYP', cultivar '20064-0001' (unpatented), is no longer in existence, so a meaningful comparison cannot be made.

'PHALCISYP' is most similar to the commercial *Phalaenopsis* plants named 'PHALFIMWAQ' (U.S. Plant Pat. No. 26,067) and '32892-03' (unpatented). 'PHALCISYP' differs from the commercial variety 'PHALFIMWAQ' in that 'PHALCISYP' has purple whiskers with yellow tips, a triangular apical lobe and a spatulate lateral lobe, whereas 'PHALFIMWAQ' has light yellow whiskers, a trullate apical lobe and a weakly spatulate lateral lobe. Additionally, 'PHALCISYP' has a wider apical lobe than 'PHALFIMWAQ'.

'PHALCISYP' differs from the commercial variety '32892-03' in that 'PHALCISYP' has light yellow-green flowers, purple whiskers with yellow tips, a triangular apical lobe, and a spatulate lateral lobe, whereas '32892-03' has yellow flowers, white whiskers, a rhombic apical lobe and an oblong to weakly spatulate lateral lobe. Additionally, 'PHALCISYP' has larger flowers and longer whiskers than '32892-03'.

I claim:

1. A new and distinct variety of *Phalaenopsis* plant named 'PHALCISYP', substantially as described and illustrated herein.

\* \* \* \* \*



FIG. 1

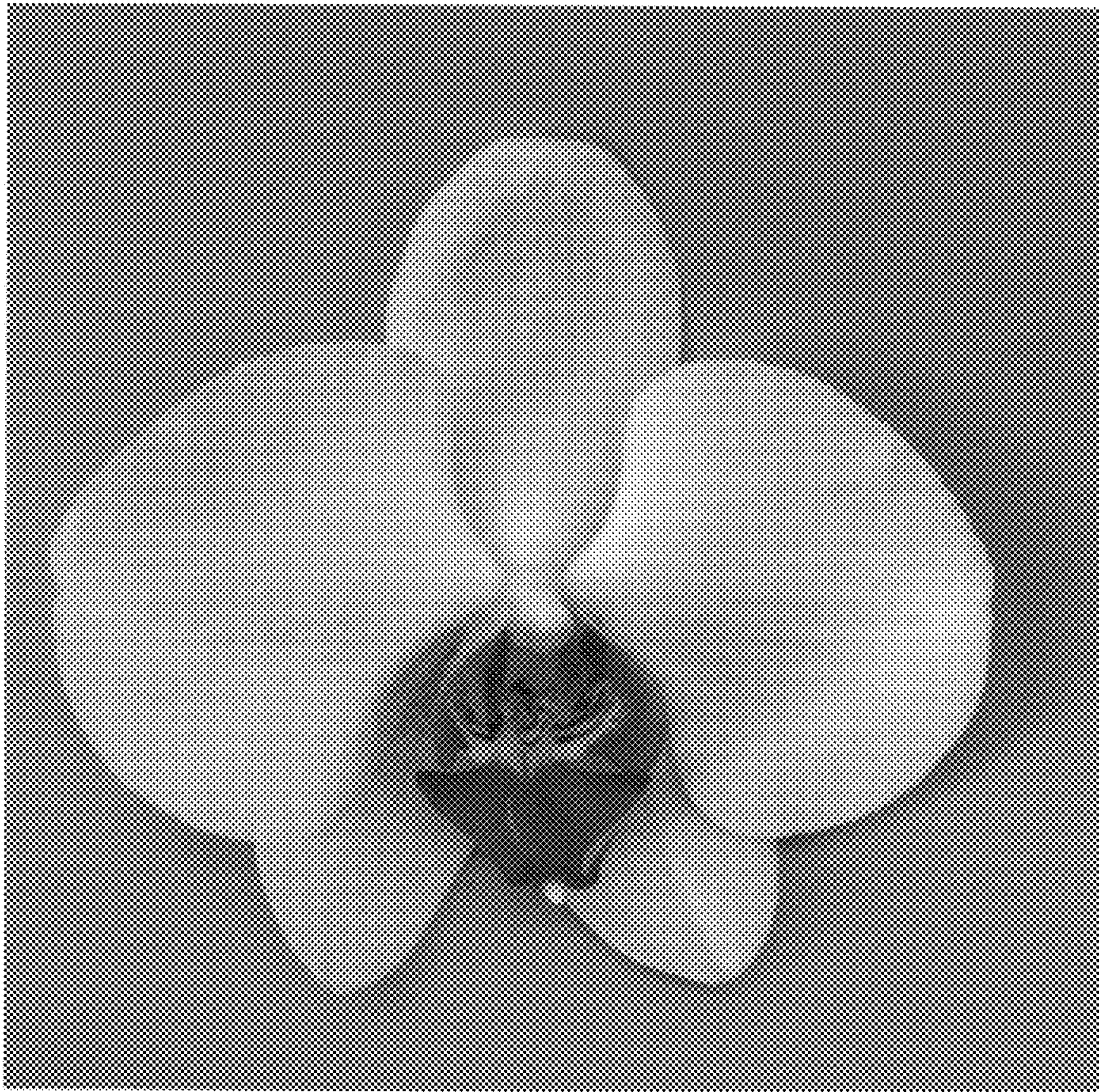


FIG. 2

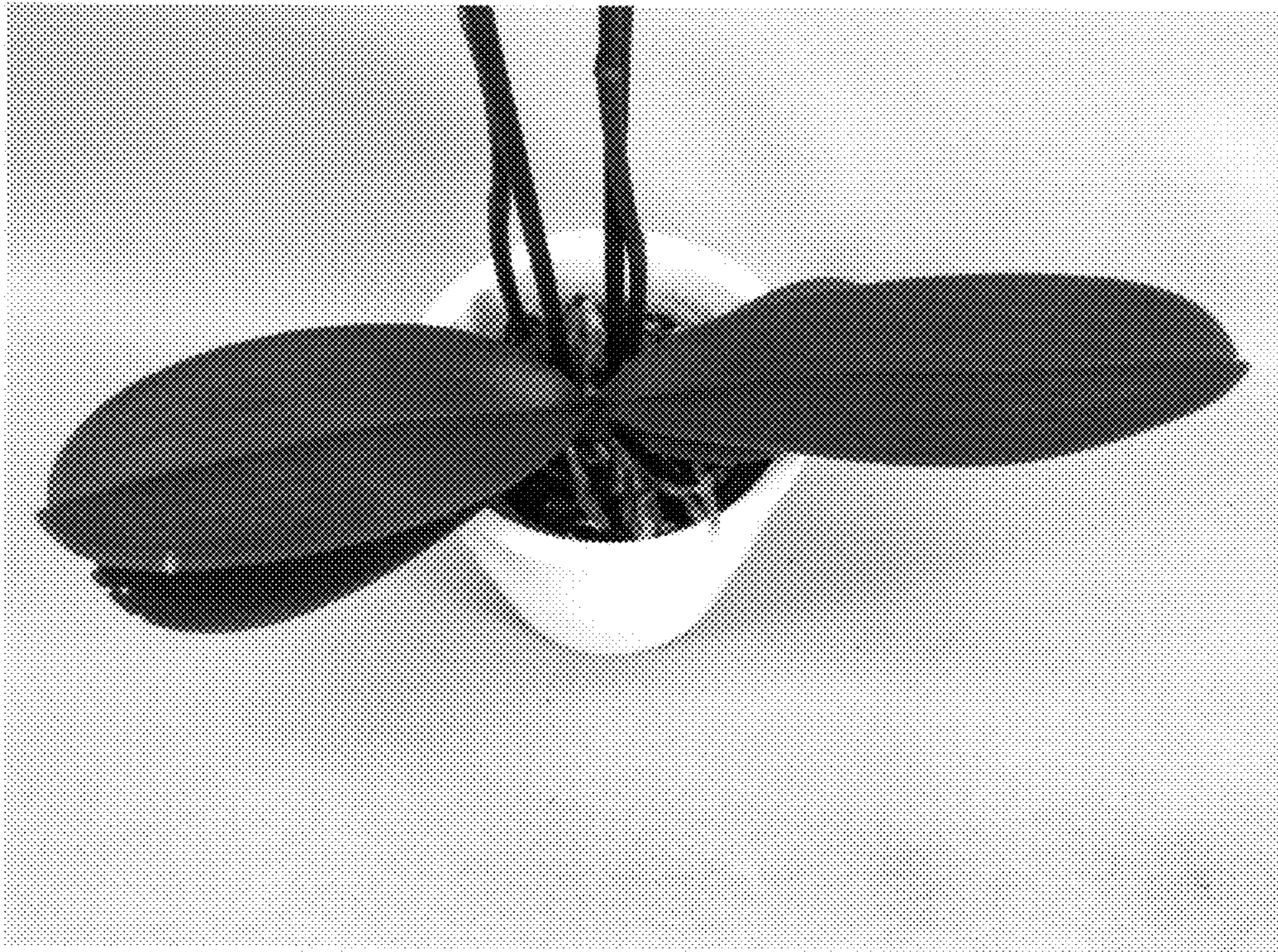


FIG. 3