



(12) **United States Plant Patent**
Madsen

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(54) **SCHLUMBERGERA PLANT NAMED**
‘PKMSCHL06’

(50) Latin Name: *Schlumbergera truncata* (Haworth)
Moran hybr.
Varietal Denomination: **PKMSchl06**

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patent is extended or adjusted under 35
U.S.C. 154(b) by 88 days.

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(51) **Int. Cl.**
A01H 5/02 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./372**

(58) **Field of Classification Search**
USPC Plt./372
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV hit on *Schlumbergera* plant named ‘PKMSchl06’, QZ PBR
2016/0002, filed Jan. 4, 2016.*
Printout of application information from CPVO Database for cor-
responding CPVO application No. 2016/0002 filed Jan. 4, 2016 (1
page) (<https://cpvoextranet.cpvo.europa.eu>).

* cited by examiner

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(57) **ABSTRACT**

A new and distinct cultivar of *Schlumbergera truncata* hybr.
plant named ‘PKMSchl06’, characterized by its white and
red-purple colored flowers, quick time to flower after short
day treatments, and high number of flowers and phyllo-
clades per plant. The claimed variety is particularly suited
for production in small (~5.5 cm) pots.

3 Drawing Sheets

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Latin name of the genus and species claimed: *Schlum-
bergera truncata* (Haworth) Moran hybr.
Variety denomination: ‘PKMSchl06’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Schlumbergera* plant, botanically known as *Schlumberg-
era truncata* (Haworth) Moran hybr., common name Christ-
mas Cactus, and hereinafter referred to by the variety
denomination ‘PKMSchl06’.

The new *Schlumbergera* is a product of a planned breed-
ing program conducted by the inventor in Søhus, Denmark.
The new *Schlumbergera* originated from a crossing made in
2009 by the Inventor between two proprietary, unnamed
cultivars of *Schlumbergera truncata* hybr. The Inventor
selected the new *Schlumbergera* cultivar from the progeny
of the above crossing in 2011 on the basis of its flower color
and compact, freely branching habit. Plants of the new
Schlumbergera are more upright and compact than compari-
son cultivars.

Asexual reproduction of the new cultivar by phylloclade
cuttings taken and propagated and trial production batches in
Søhus, Denmark, has shown that the unique features of this
new *Schlumbergera* are stable and reproduce true to type in
many successive generations.

BRIEF DESCRIPTION OF THE INVENTION

The following traits have been repeatedly observed and
are determined to be the unique characteristics of

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‘PKMSchl06’. These characteristics in combination distin-
guish ‘PKMSchl06’ as a new and distinct cultivar:

1. Fast time to flower after end of short day treatments;
and
2. Higher number of flowers and phylloclades per plant.
3. Especially suited for production in small (5.5 cm) pots

Plants of the cultivar ‘PKMSchl06’ can be compared to
plants of the *Schlumbergera truncata* (Haworth) Moran
hybr. cultivar ‘PKMSchl05’ (U.S. Plant Pat. No. 27,152).
However, in side-by-side comparisons conducted over sev-
eral seasons by the inventor in Søhus, Denmark, plants of the
cultivar ‘PKMSchl06’ and the cultivar ‘PKMSchl05’ differ
in the following characteristics:

1. In plants of the new *Schlumbergera* ‘PKMSchl06’, the
stigma is often protruding from the bud before anthesis
which is not the case for the cultivar ‘PKMSchl05’.
2. Plants of the new *Schlumbergera* ‘PKMSchl06’ are
more upright than plants of the cultivar ‘PKMSchl05’.
3. Plants of the new *Schlumbergera* ‘PKMSchl06’ flower
earlier than plants of the cultivar ‘PKMSchl05’.
4. Plants of the new *Schlumbergera* ‘PKMSchl06’ are
more suited for production in small (5.5 cm) pots than
plants of the cultivar ‘PKMSchl05’.
5. Plants of the new *Schlumbergera* ‘PKMSchl06’ have
smaller phylloclades, buds and flowers than plants of
the cultivar ‘PKMSchl05’.
6. Plants of the new *Schlumbergera* ‘PKMSchl06’ have
flatter phylloclades than plants of the cultivar
‘PKMSchl05’

Data on the parent varieties is no longer available for comparison to the claimed variety.

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying colored photographs illustrate the overall appearance and details of flower form color and structures of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description, which accurately describe the actual colors of the claimed variety. Plants in the photos are approximately 10 months old after start of propagation.

FIG. 1—shows a typical plant of 'PKMSchl06' as grown in a 5.5 cm pot.

FIG. 2—shows a typical flower, bud and phylloclade of 'PKMSchl06'.

FIG. 3—shows a typical flower and phylloclade of 'PKMSchl06' in comparison with a typical flower and phylloclade of 'PKMSchl05'.

DETAILED BOTANICAL DESCRIPTION

Plants of the cultivar 'PKMSchl06' have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, light intensity, day length, and fertility level without, however, any variance in genotype.

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 5th edition, where general terms of ordinary dictionary significance are used. Plants were grown under greenhouse conditions. Plants used for this description are about 12 months old.

Classification:

Botanical.—*Schlumbergera truncata* (Haworth) Moran hybr.

Variety denomination.—'PKMSchl06'.

Parentage:

Female or seed parent.—Unpatented, proprietary selection of *Schlumbergera truncata* (Haworth) Moran hybr. (No longer available for comparison.)

Male or pollen parent.—Unpatented, proprietary selection of *Schlumbergera truncata* (Haworth) Moran hybr. (No longer available for comparison.)

Propagation:

Type cutting.—Single mature phylloclades.

Form.—Perennial plant (epiphyte), plants have an upright shape and branched growth habit. Older plants will have more pendulous branches. Flowers singular, double, or triple at apical ends of terminal phylloclades. Freely branching with one to four new phylloclades forming at the apical ends of older phylloclades.

Crop time.—After rooting, about 10 months are required to produce finished flowering plants in 5.5 cm pots.

Roots:

Root initiation.—2-3 weeks at 21° C.

Rooting habit.—Fibrous and well-branched.

Root color.—Whitish, older roots can be straw-colored.

Plant:

Plant height (soil level to top of plant, 2 levels of phylloclades, excl. flowers).—8.5 cm.

Vigor.—Good.

Growth rate.—Slow.

Plant spread.—10-12 cm.

Lateral branch length: (2 levels of phylloclades).—7.5 cm.

Phylloclades:

Quantity per lateral branch.—3-5 (2 levels of phylloclades).

Length.—3.5-4 cm.

Width.—2.3-2.8 cm.

Thickness.—Approx. 2 mm.

Shape.—Obovate.

Apex.—Truncate with 2 protruding marginal teeth, 4-5 mm in length.

Base.—Rounded.

Margin.—Serrate, 4-6 teeth per phylloclade, 3-5 mm in length.

Texture.—Glabrous, smooth.

Pubescence.—None.

Color.—RHS NN137A, Green.

Venation pattern.—Costate.

Venation color.—Between RHS NN137A and 144C, Yellow-Green.

Inflorescence:

Blooming season.—October to December in the Northern hemisphere. Can be changed with short day treatments. Flowers appear 8-9 weeks after end of short day treatment.

Longevity on plant.—Highly dependent on temperature and light conditions; generally 5 to 6 days. Flowers are persistent.

Buds.—Aspect: Upright to outward. Length: Up to 2.8 cm before unfolding of tepals (without ovary. Diameter: Up to 1 cm before unfolding of tepals. Shape: Ovoid to lanceolatoid. Color: RHS 4D, yellow in small (~1 cm) buds; RHS 55C, red at tips and RHS 155D, white at base in larger (~3 cm) buds.

Flowers.—Arrangement: 1-3 sessile flowers on apical phylloclades. Shape and form: Zygomorphic; tubular with lobes (tepals) extruding at base and at tube end. Fragrance: None. Tepal Arrangement: Inner whorl of tepals fused to form a tube. Corolla tepals are initially at right angle to tube, later somewhat reflexed. Tepal Number: 10 in fused inner whorl forming the tube; 5-7 more or less free tepals in outer whorl. Tepal Shape: Narrow Ovate. Tepal Apex: Apiculate. Tepal Margin: Entire. Tepal Length: 25-30 mm. Tepal Width: 8 mm. Tube Diameter: 8-10 mm. Flower Diameter: 5-5.5 cm. Tube Depth: 3.5 cm. Flower Depth at anthesis: 6 cm. Flower Depth before senescence: 6 cm. Texture: Silky. Color: When opening, upper side: lobes RHS NN155D, White. When opening, under side: lobes RHS NN155D, White. Fully opened, upper side: lobes RHS NN155D, White. Fully opened, under side: lobes RHS NN155D, White; tube N66C, red-purple. Tepal color fading: No fading.

Reproductive organs:

Stamen.—Number: Many, polyandrous, phaneranthrous. Shape: Incurved. Some filaments fused to perianth tube (connate). Number: 80-100.

Anther.—Shape: Basifixed; ovoid. Color: RHS 11C, yellow. Length: 1-2 mm. Pollen: Plenty; color RHS 11D yellow.

Filament.—Length: 5-7 cm. Color: RHS 155D, translucent white.

Pistil.—Number: 1. Length: 50 mm. Shape: Slightly curved. Can protrude from the buds before bud opening.
Stigma.—Shape: Claw-like. Color: RHS 61B, red-purple.
Style.—Color: RHS N66A, red-purple. Length: 60 mm.
Ovary.—Shape: obovate. Length: 8-10 mm. Width: 6-8 mm. Color: RHS 144A, yellow green (can have a pinkish hue at the base).

Seeds: None observed.
Weather tolerance: Tolerant to a high temperature of 40° C. and a low temperature of 2° C.
Disease/pest resistance: Not tested.

5 What is claimed is:
1. A new and distinct cultivar of *Schlumbergera* plant named ‘PKMSchl06’, as illustrated and described herein.

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FIG. 1

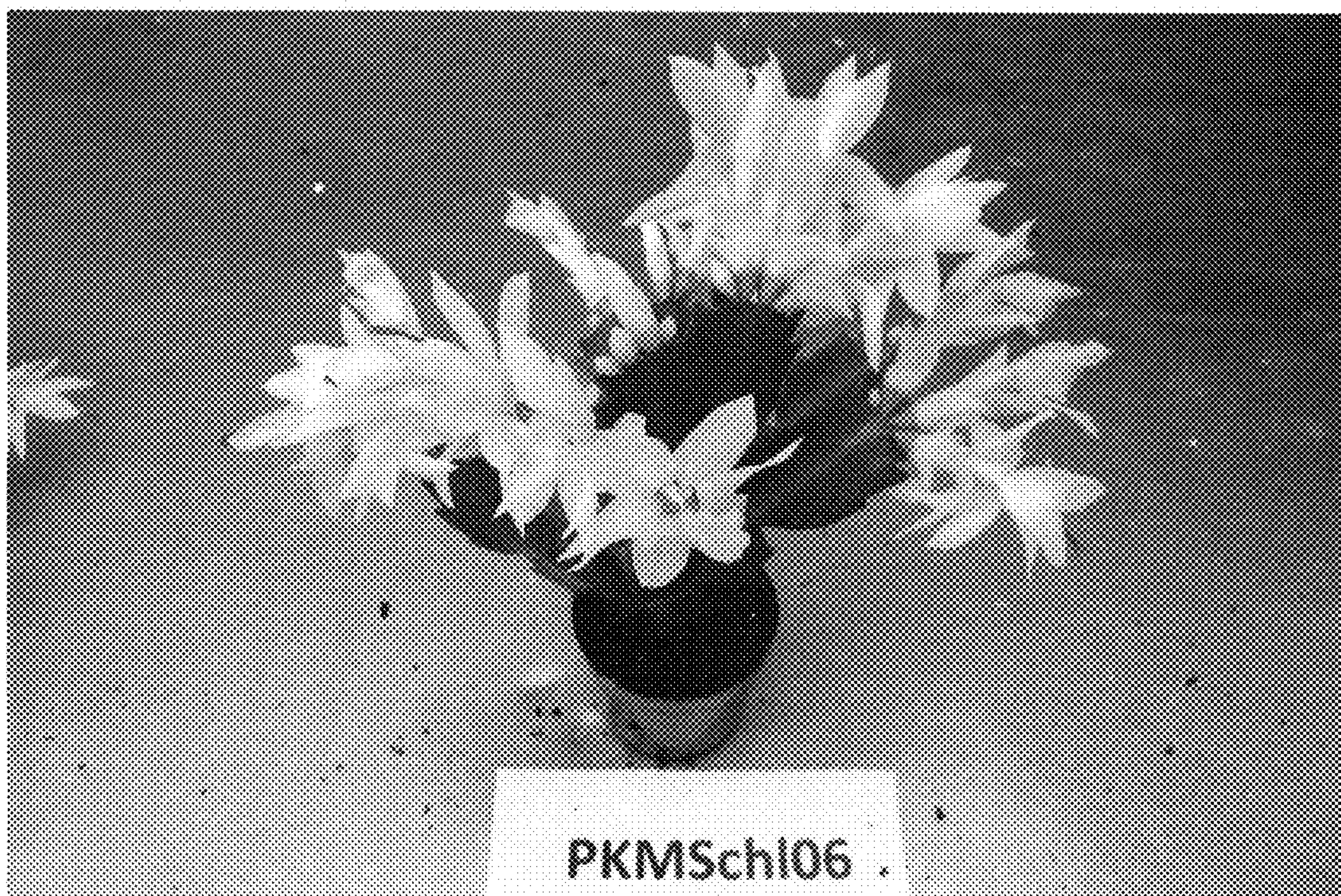


FIG. 2

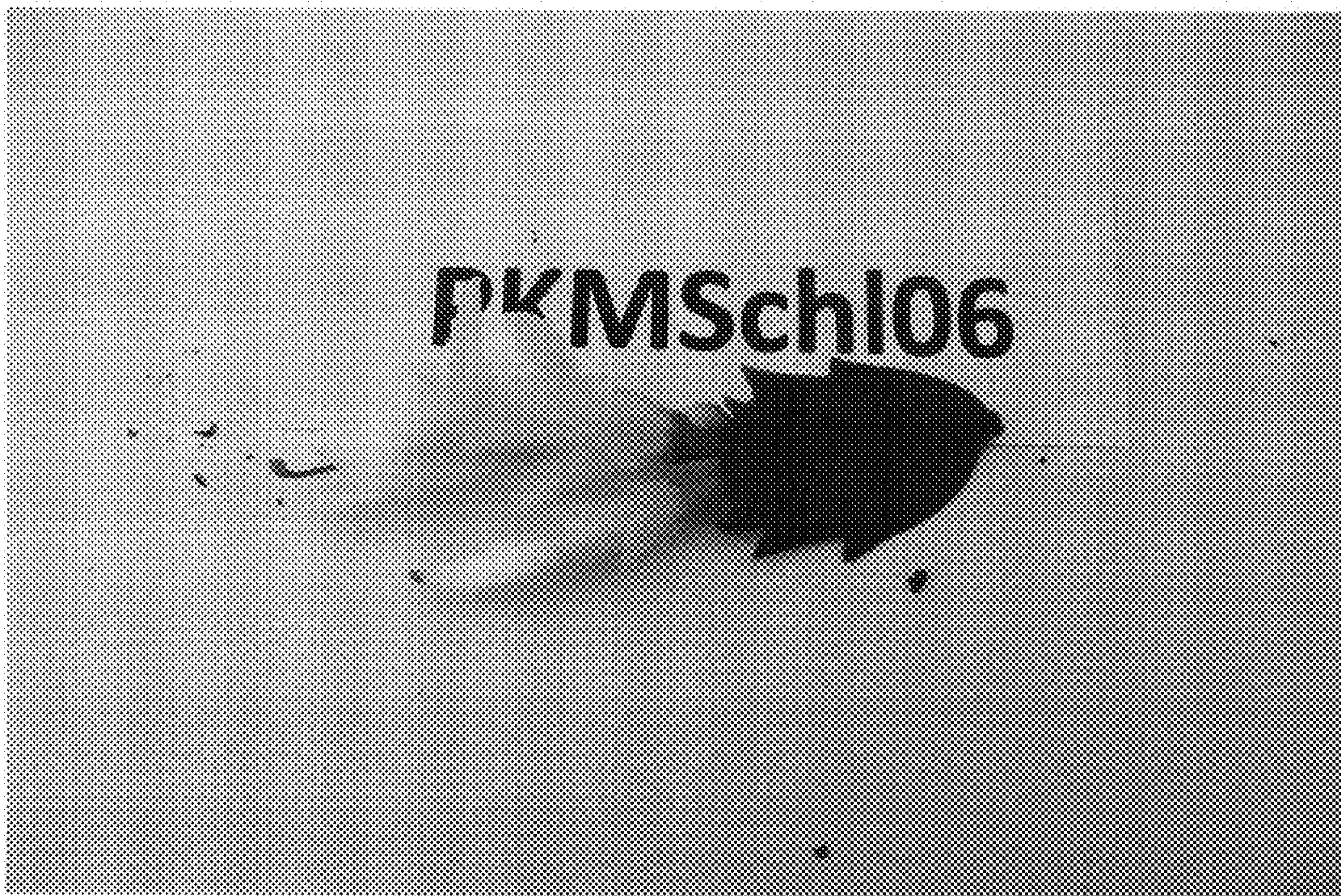


FIG. 3

