



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

(10) **Patent No.:** **US PP18,868 P3**
(45) **Date of Patent:** **Jun. 3, 2008**

(54) **LUPINUS PLANT NAMED ‘MANHATTAN LIGHTS’**

(50) Latin Name: ***Lupinus* hybrid**
Varietal Denomination: **Manhattan Lights**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 136 days.

(21) Appl. No.: **11/474,063**

(22) Filed: **Jun. 23, 2006**

(65) **Prior Publication Data**

US 2007/0300341 P1 Dec. 27, 2007

(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./263**

(58) **Field of Classification Search** Plt./263
See application file for complete search history.

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(57) **ABSTRACT**

‘Manhattan Lights’ is a new variety of *Lupinus* hybrid that
exhibits numerous and large-shaped burgundy and yellow-
colored flowers.

4 Drawing Sheets

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Botanical classification: *Lupinus* hybrid.
Varietal denomination: ‘Manhattan Lights’.

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cul-
tivar of *Lupinus* hybrid known by the varietal name ‘Man-
hattan Lights’. The new variety was developed in Great
Britain. The new variety is a result of cross breeding Russell
Hybrid *Lupinus* Seedling #WCL 013/96 (female parent)
(unpatented) and an unknown *Lupinus* male parent
(unpatented). The purpose of the breeding program was to
develop a cultivar that exhibited improved color, habit, and
bloom form from other *Lupinus* varieties known to the
breeder. The new variety is similar in growth habit to its
female parent, but differs in flower color. The new variety
differs from *Lupinus* hybrid ‘The Governor’ in flower color,
closeness of flowers on spike, and growth habit. The new
variety was first asexually reproduced by basal cuttings/
tissue culture in Great Britain. The new variety has been trial
and field tested and has been found to retain its distinctive
characteristics and remain true to type through successive
asexual propagations. Characteristics that distinguish the
new variety from others known to the breeder include:

- Clear and intense flower color;
- Flower form — the individual bells are packed closely
on the flower spike;
- Large individual bells; and
- Vigorous growth habit.

The new variety was grown in open soil with additional
organic fertilizer applied. The new variety initiates and
develops roots in 21 days at 15° C. A finished and flowering
plant is produced in 36 weeks in a 21 cm container. The new
variety exhibits sparse, but thick roots, that exhibit some
branching.

DESCRIPTION OF THE DRAWINGS

The accompanying photographic drawings illustrate the
new variety, with the color being as nearly true as is possible
with color illustrations of this type:

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FIG. 1 is a photographic image of multiple plants of the
new variety;

FIG. 2 is a close-up photographic image of multiple plants
of the new variety;

FIG. 3 is a close-up photograph of both surfaces of the
leaves of the new variety; and

FIG. 4 is a close-up image of the petals of the new variety.

DESCRIPTION OF THE PLANT

The following detailed description sets forth the charac-
teristics of the 1 year old new cultivar. The data which
defines these characteristics were collected by asexual repro-
ductions carried out in Great Britain. The color readings
were taken outside under natural daylight. Color references
are primarily to the R.H.S. Colour Chart of the Royal
Horticultural Society of London.

PLANT

Form: Mounded and symmetrical.

Stem:

Diameter.—17 mm.

Color.—144A, flushed with 70A to 71A.

Texture.—Slightly hirsute, smooth with longitudinal
ridges.

Pubescence.—Slight to medium.

Height: 95 cm.

Vigor: Good.

Branching habit: Medium.

Lateral branches:

Diameter.—11 mm.

Internode length.—5 cm.

Texture.—Lightly hirsute, smooth with longitudinal
ridges.

Pubescence.—Present.

Color.—144A, flushed with 70A to 71A.

Foliage:

Arrangement.—Ascending spiral.

Length of leaf stalk.—Basal foliage: 25 cm. Stem
foliage: 18 cm.

Size of leaf (overall).—Length: 17 cm. Width: 16 cm.
Leaflets.—Shape of leaflet: Oblanceolate. Number: 12.
 Width: 2.2 cm. Length: 8.2 cm. Shape of apex: Obtuse. Shape of base: Cuneate. Texture: Smooth and velvety. Aspect: Horizontal presentation. Margin type: Smooth; entire. Pubescence: Upper surface: None present. Lower surface: Slight. Color: Young leaflet: Upper surface: 137A with 187A edged at the tip. Lower surface: 137B/C. Mature leaflet: Upper surface: 137A with 187A suffused at the tip. Lower surface: 137B/C. Petiole: Shape: Flattened and round. Length: Basal leaf: 25 cm. Stem leaf: 18 cm. Diameter: 5 mm. Color: 144A and suffused with 70B. Venation: Central; mid-rib.

FLOWER

Bud (described when buds were just beginning to open):

Shape.—Napiform.

Diameter.—9 mm.

Length.—16 mm.

Color.—160C/D.

Natural flowering season: May through July in The Netherlands.

Flower type and habit: Spike.

Number of flowers per spike.—196.

Length of spike.—50 cm.

Diameter of spike.—11.8 cm.

Corolla:

Form.—Zygomorphic.

Petals.—Standard Petals: Number: 2 — fused. Length: 20 mm. Width: 13 mm. Shape: Ovate. Aspect: Parallel to spike. Margin: Smooth and entire. Wing Petals: Number: 2 — partly fused. Length: 20 mm. Width: 12 mm. Shape: Ovoid to kidney-shaped. Aspect: Tilted upward. Margin: Smooth and entire. Keel Petals: Number: 2 — fused. Length: 18 mm. Width: 8 mm. Shape: Lingulate. Aspect: Located within wing petals and pointing upwards. Margin: Smooth and entire. Texture and appearance: Smooth and satin-like. Color: When opening: Upper surface: Standard petals: 9A/B, flushed with 71B/79B at the base of the throat. Wing petals: 71A. Lower surface: Standard petals: 9B/C. Wing petals: 79A/B. Fully opened: Upper surface: Standard petals: 9A/B, flushed with 71B and 79B. Wing petals: 71A and 79A veins. Lower surface: Standard petals: 9B/C. Wing petals: 79D.

Throat.—Color: 4D. Texture: Smooth and satin-like.

Calyx:

Form.—Two unequal halves.

Length.—7 mm.

Diameter.—12 mm.

Sepal shape.—Elliptic.

Sepal margin.—Smooth and entire.

Sepal texture.—Smooth with slight pubescence.

Sepal size.—Length: 7 mm. Width: 4 mm.

Sepal color:

Upper surface.—149B/C.

Lower surface.—149B/C.

Fragrance: Slight.

Disease resistance/susceptibility: Susceptible to powdery mildew.

Temperature tolerance: Medium to good.

Lasting quality: Medium to good.

REPRODUCTIVE ORGANS

Stamens:

Number (per flower).—There are two groups. A first group with 6 stamens and a second group with 4 stamens.

Filaments.—Length: First group: 4 mm. Second group: 8 mm. Fused: Yes.

Anthers.—Shape: First group: Pencil-like. Second group: Arrow-like. Length: First group: 2 mm. Second group: 1 mm. Color: First group: 169B. Second group: 25A/B.

Pollen.—Color: 25A/B. Amount: Good.

Pistils:

Length.—12 mm.

Style.—Length: 12 mm. Color: 150C.

Stigma.—Shape: Spherical. Color: 150C.

Seed/Fruit production:

Description of conditions when produced.—Produced freely.

Color.—165A.

Size.—1.0 mm.

Number.—Approximately 2000 per plant.

I claim:

1. A new and distinct variety of *Lupinus* hybrid plant named ‘Manhattan Lights’ as is herein described and illustrated.

* * * * *



Fig. 1



Fig. 2

Lupin hybrid Manhattan Lights

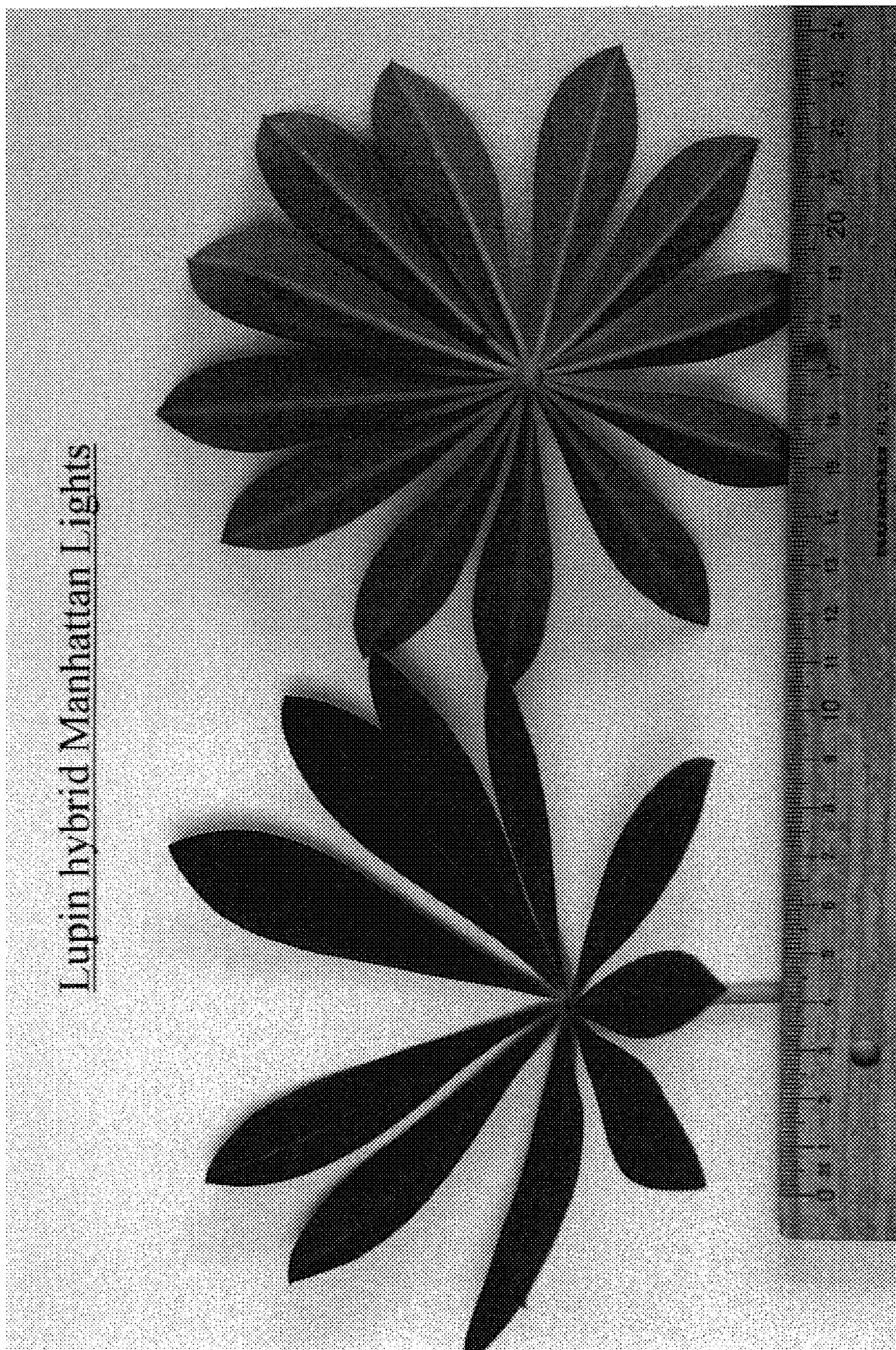


Fig. 3

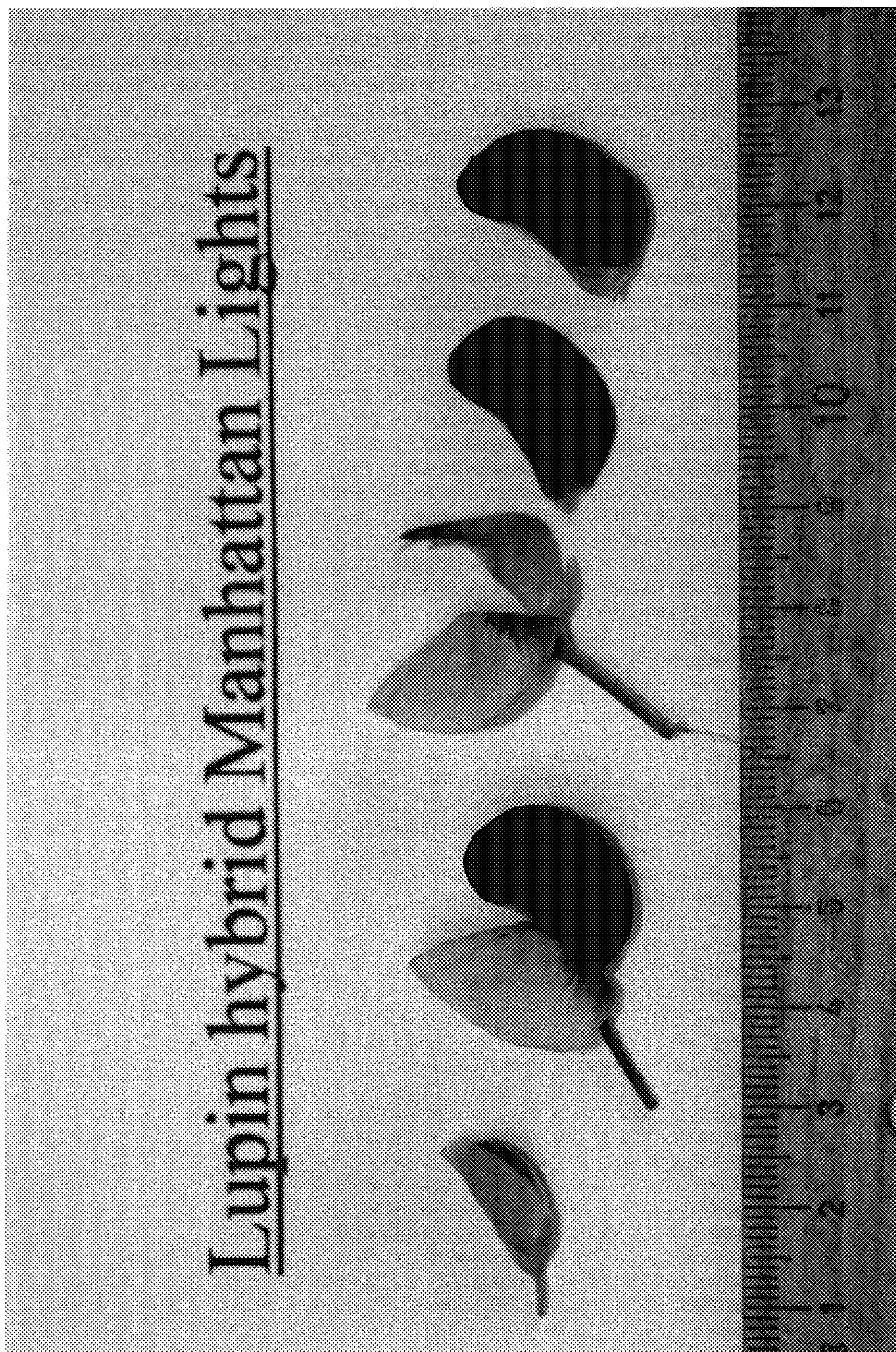


Fig. 4