

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

(10) **Patent No.:** **US PP18,718 P3**
(45) **Date of Patent:** **Apr. 8, 2008**

(54) **LUPINUS PLANT NAMED ‘SALAMON STAR’**

(50) Latin Name: *Lupinus hybridus*
Varietal Denomination: **Salmon Star**

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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 0 days.

(21) Appl. No.: **11/474,085**

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

(65) **Prior Publication Data**

US 2007/0300343 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.

(56) **References Cited**

PUBLICATIONS

USDA Plants Database for *Lupinus hybridus* Lem. [online],
[retrieved on Jul. 18, 2007]. Retrieved from the Internet
<http://plants.usda.gov/Java/sp/classification/classification_print_friendly.jsp?fileNamePF=cl...> one page.*

* cited by examiner

Primary Examiner—Kent Bell

Assistant Examiner—June Hwu

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(57) **ABSTRACT**

‘Salmon Star’ is a new variety of *Lupinus hybridus* that
exhibits numerous and large-shaped salmon-colored flow-
ers.

3 Drawing Sheets

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Botanical classification: *Lupinus hybridus*.
Varietal denomination: ‘Salmon Star’.

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cul-
tivar of *Lupinus hybridus* known by the varietal name
‘Salmon Star’. The new variety was developed in Great
Britain. The new variety is a result of cross breeding Russell
Hybrid *Lupinus* Seedling #WCL 045/96 (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 hybridus* ‘The Pages’ in flower color,
flower closeness on the 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 — papilionaceous, with large flowers
packed closely on the flower spike; 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 the flower spike and
foliage of the new variety;

FIG. 2 is a photograph image of the new variety showing
the flower spike and leaves; and

FIG. 3 is a close-up photograph of the petals of the new
variety.

DESCRIPTION OF THE PLANT

The following detailed description sets forth the charac-
teristics of the new cultivar. The data which defines these
characteristics were collected by asexual reproductions car-
ried out in Great Britain. The color readings were taken
outside under natural daylight. Color references are prima-
rily to the R.H.S. Colour Chart of The Royal Horticultural
Society of London.

PLANT

Form: Mounded and symmetrical.

Stem:

Diameter.—14 mm.

Color.—Between 144B and 144C.

Texture.—Slightly hirsute, smooth with longitudinal
ridges.

Pubescence.—Slight to medium.

Height: 70–80 cm.

Plant diameter: 60 cm.

Vigor: Good.

Branching habit: Free.

Lateral branches:

Diameter.—8–10 mm.

Internode length.—4.5 cm.

Texture.—Lightly hirsute, smooth with longitudinal
ridges.

Pubescence.—Present.

Color.—Between 144B and 144C.

Foliage:

Arrangement.—Ascending spiral.

Length of leaf stalk.—Basal foliage: 24 cm. Stem foliage: 17 cm.

Size of leaf (overall).—Length: 15 cm. Width: 14.5 cm.

Leaflets.—Shape of leaflet: Oblanceolate. Number: 13. Width: 2.6 cm. Length: 7.5 cm. Shape of apex: Acute. Shape of base: Cuneate. Aspect: Horizontal presentation. Margin type: Smooth; entire. Pubescence: Upper surface: None present. Lower surface: Slight. Color: Young leaflet: Upper surface: 137D. Lower surface: 144A. Mature leaflet: Upper surface: 137A. Lower surface: 137C. Petiole: Shape: Flattened and round. Length: Basal leaf: 24 cm. Stem leaf: 21 cm. Diameter: 5 mm. Color: Varies between 144B and 144C. Venation: Central; mid-rib; colored the same as the leaflets.

FLOWER

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

Shape.—Napiform.

Diameter.—9 mm.

Length.—18 mm.

Color.—39C, flushed with 54A.

Natural flowering season: May through July in The Netherlands.

Flower type and habit: Spike.

Number of flowers per spike.—178.

Length of spike.—44 cm.

Diameter of spike.—11.2 cm.

Corolla:

Form.—Zygomorphic.

Petals.—Standard Petals: Number: 2-fused. Length: 20 mm. Width: 12 mm. Shape: Ovate. Aspect: Parallel to spike. Margin: Smooth and entire. Wing Petals: Number: 2. Length: 20 mm. Width: 14 mm. Shape: Ovoid to kidney-shaped. Aspect: Slightly 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. Standard Petal color: When opening: Upper surface: 28D, with an intense 51A flush. Lower surface: 28D. Fully opened: Upper surface: 28D, with flushes of 51A and between 39A and 39B. Lower surface: 28D. Wing Petal color: When opening: Both surfaces: 28D. Fully opened: Both surfaces: 28D. Keel Petal color: When opening: Both

surfaces: 29C. Fully opened: Both surfaces: 29C.

Keel tip color: 53C.

Throat (visible when the standard petals are parted from the keel petals).—Color: 4D. Texture: Smooth and satin-like.

Calyx:

Form.—Two unequal halves.

Length.—8 mm.

Diameter.—16 mm.

Sepal shape.—Elliptic.

Sepal margin.—Smooth and entire.

Sepal texture.—Smooth with slight pubescence.

Sepal size.—Length: 8 mm. Width: 5 mm.

Sepal color.—Upper surface: Varies between 149C and 149D. Lower surface: Varies between 149C and 149D.

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: 9 mm. Fused: Yes.

Anthers.—Shape: First group: Pencil-like. Second group: Arrow-like. Length: First group: 2 mm. Second group: 0.5 mm. Color: First group: 169B. Second group: 23A.

Pollen.—Color: 23A. Amount: Plentiful.

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.—Varies between 165A and 165B.

Size.—1.0 mm.

Number.—Approximately 2000 per plant.

I claim:

1. A new and distinct variety of *Lupinus hybridus* plant named 'Salmon Star' as is herein described and illustrated.

* * * * *

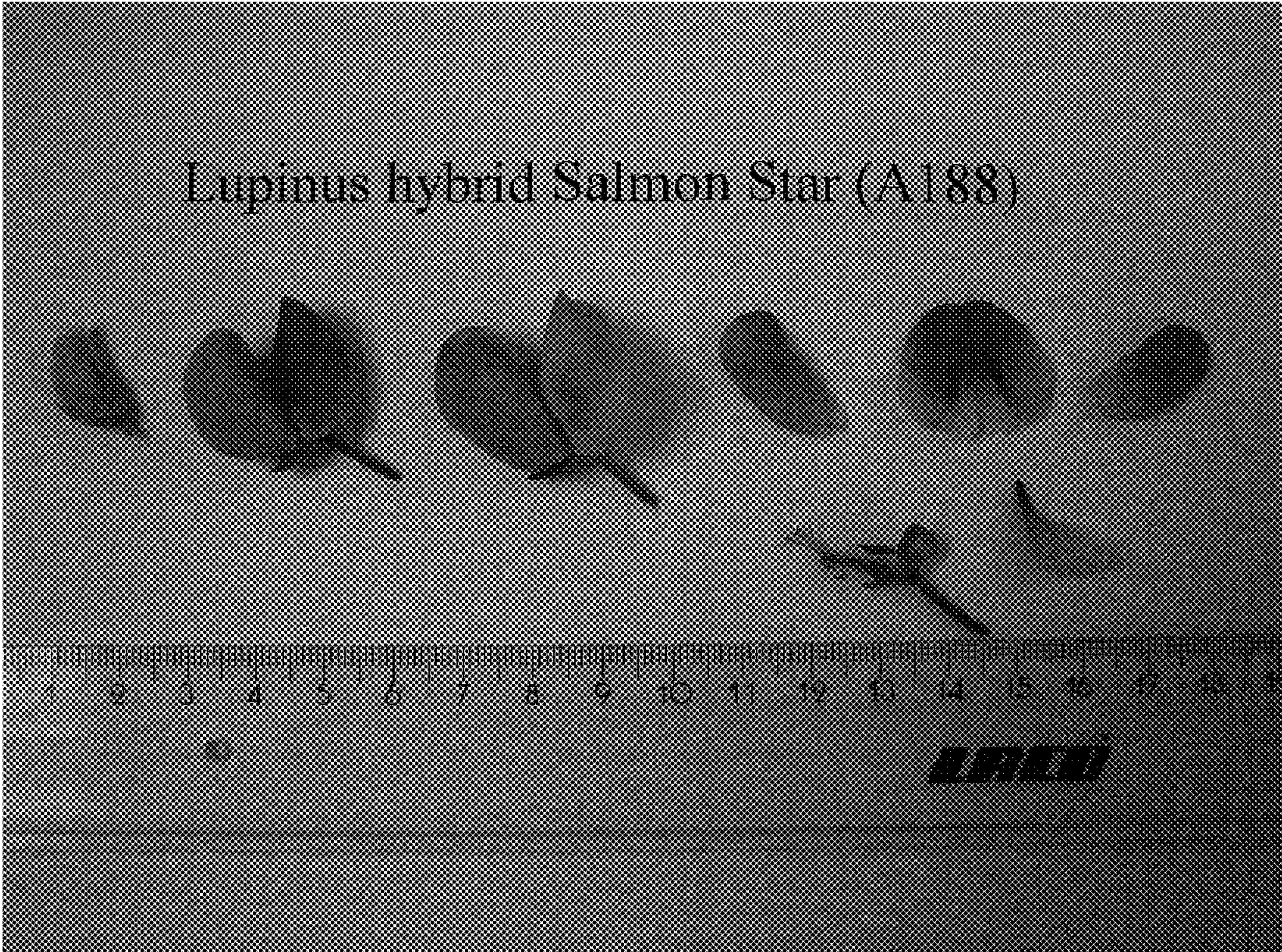


Fig. 1



Fig. 2

Fig. 3



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : PP 18,718 P3
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Page 1 of 1

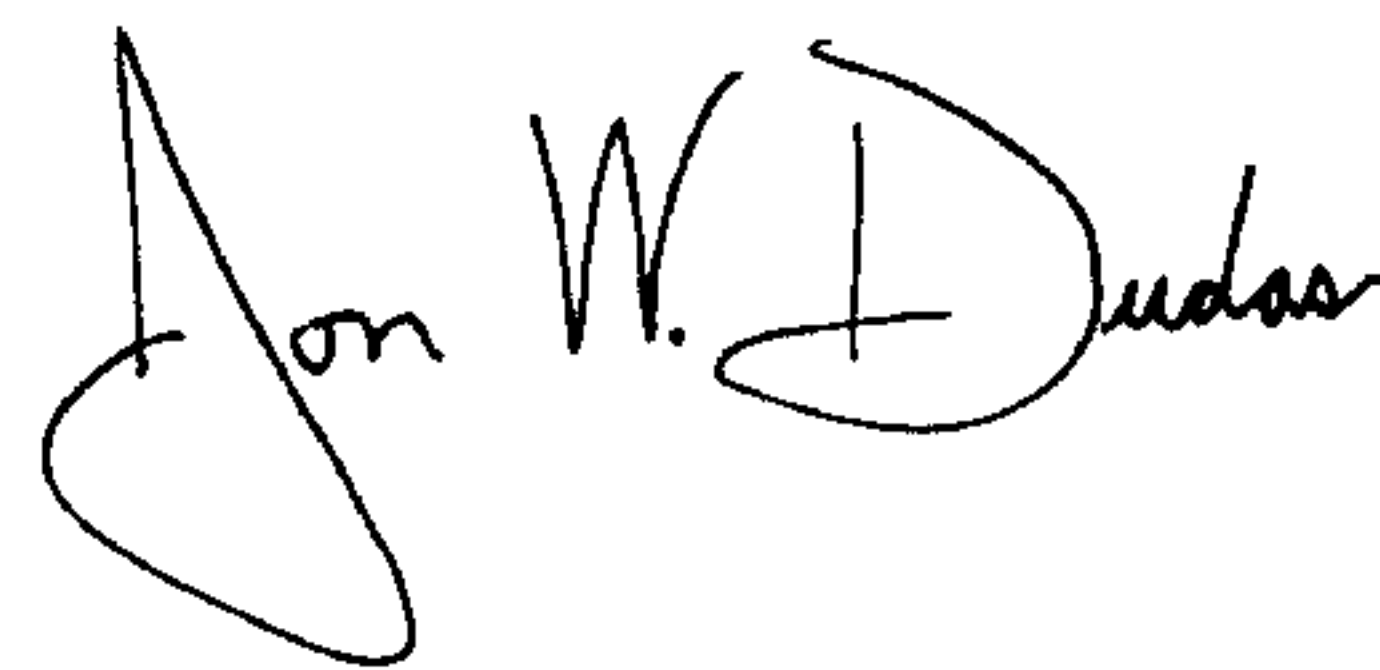
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page: Item (54), Title, "SALAMON STAR" should read -- SALMON STAR --

Column 4, line 4, "keep petals" should read -- keel petals --

Signed and Sealed this

Sixteenth Day of September, 2008

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS

Director of the United States Patent and Trademark Office