

US00PP36518P2

(12) **United States Plant Patent**
Arotzarena et al.

(10) **Patent No.:** **US PP36,518 P2**
(45) **Date of Patent:** **Mar. 4, 2025**

(54) **RASPBERRY PLANT NAMED ‘Stella’**

(50) Latin Name: *Rubus idaeus* L.
Varietal Denomination: **Stella**

(71) Applicant: **AROFA S.L.**, Tajonar (ES)

(72) Inventors: **Domingo Arotzarena**, Tajonar (ES);
Francisco Román, Tajonar (ES);
Antonio Soto, Tajonar (ES)

(73) Assignee: **Arofa S.L.**, Tajonar (ES)

(*) 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.: **18/659,971**

(22) Filed: **May 9, 2024**

(51) **Int. Cl.**
A01H 5/08 (2018.01)
A01H 6/74 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./204**
CPC *A01H 6/7499* (2018.05)

(58) **Field of Classification Search**
USPC Plt./204
CPC *A01H 6/7499*; *A01H 5/08*
See application file for complete search history.

Primary Examiner — Keith O. Robinson

(74) *Attorney, Agent, or Firm* — Weatherly IP Solutions,
LLC; James M. Weatherly

(57) **ABSTRACT**

A new raspberry plant named ‘Stella’ particularly distin-
guished by large fruit for use in fresh market, high brightness
fruit; large number of branches after first crop, with a long
cane; and good cold tolerance, is disclosed.

3 Drawing Sheets

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Genus and species: *Rubus idaeus* L.
Variety denominations: ‘Stella’.

BACKGROUND OF THE NEW PLANT ‘STELLA’

The present invention comprises a new and distinct vari-
ety of Raspberry, botanically known as *Rubus idaeus* L, and
hereinafter referred to by the variety name ‘Stella’. ‘Stella’
originated from seed of a fruit from an unknown female and
an unknown male plant. The seed was found in October
2018 in Applicant’s fruit sorting and processing facility in
Tarquejo, Huelva, Spain.

In October 2018, seed from the fruit found at Applicant’s
facility was planted. In October 2018 a plant was selected
and named ‘Stella’. ‘Stella’ was first vegetatively propa-
gated by vegetative cuttings in Tarquejo, Huelva, Spain.

SUMMARY OF ‘STELLA’

The following are the most outstanding and distinguish-
ing characteristics of ‘Stella’ when grown under normal
horticultural practices in Tarquejo, Huelva, Spain.

1. Large fruit for use in fresh market;
2. High brightness fruit;
3. Large number of branches after first crop, with a long
cane; and
4. Good cold tolerance.

DESCRIPTION OF THE PHOTOGRAPHS

This new raspberry plant is illustrated by the accompa-
nying photographs from October 2023 of plants grown in
Tarquejo, Huelva, Spain. The plants are six months old and
grown in a hydroponic system. The colors shown are as true
as can be reasonably obtained by conventional photographic
procedures.

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FIG. 1 shows a whole plant of ‘Stella’ showing foliage,
buds, fruit and flowers.

FIG. 2 shows the leaves of ‘Stella’.

FIG. 3 shows the fruit of ‘Stella’.

DESCRIPTION OF ‘STELLA’

The following detailed descriptions set forth the distinc-
tive characteristics of ‘Stella’. The data which define these
characteristics were collected from asexual reproductions
carried out in Tariquejo, Huelva, Spain. Data was collected
in 2022-2023 on 6-month old plants grown in a greenhouse
in a hydroponic system. Color references are to The R.H.S.
Colour Chart of The Royal Horticultural Society of London
(R.H.S.), 6th edition (2015, reprint 2019).

Classification:

Family.—Rosaceae.

Botanical.—*Rubus idaeus* L.

Common.—Raspberry.

Designation.—‘Stella’.

Plant:

Height.—172 cm.

Width.—40 cm.

Length/width ratio.—4.3.

Growth habit.—Semi-upright.

Primocane (current year’s cane):

Number.—Three.

Color.—RHS 181C.

Cane length in autumn.—172 cm.

Internodal distance at central 1/3 of cane.—7.0 cm.

Anthocyanin coloration of cane.—Medium.

Cane bloom.—Medium.

Time of cane emergence.—April 15th.

Previous year canes:

Length of fruiting laterals.—50.0 cm.

Time of beginning flowering on previous year’s cane.—
Week 10.

Time of beginning of fruit ripening on previous year's cane.—Week 14.
Time of vegetative bud burst.—Week 6.
Very young shoot:
Anthocyanin coloration of apex during rapid growth.— 5
RHS 149A.
Prickles (spines):
Presence.—Present.
Density.—Dense.
Length at 1 in height at end of harvest (from base to 10
tip).—0.02 cm.
Color.—RHS N81A.
Leaves:
Predominant number of leaflets.—3.
Profile of leaflets in cross section.—Concave. 15
Leaf rugosity.—Weak.
Color of upper side.—RHS 144A.
Color of lower side.—RHS N148B.
Surface texture of upper side.—Smooth.
Surface texture of lower side.—A little rough. 20
Terminal leaflet.—Length: 17 cm. Width: 10 cm.
Length/width ratio: 1.7. Margin: Undulate. Overall
shape: Obovate. Apex shape: Acute. Base shape:
Cordate.
Lateral leaflets.—Length: 10 cm. Width: 6 cm. Length/ 25
width ratio: 1.67. Arrangement of lateral leaflets:
Free. Margin: Undulate. Overall shape: Lanceolate.
Apex shape: Acute. Base shape: Rounded.
Rachis length between terminal leaflet and adjacent 30
lateral leaflets.—4 cm.
Petiole.—Length: 11 cm. Diameter: 0.3 cm. Color:
RHS N144D.
Flowers:
Diameter.—2 cm.
Petal.—Length: 0.8 cm. Width: 0.3 cm. Length/width 35
ratio: 2.67. Color of upper side: RHS NN155A.
Color of lower side: RHS NN155A.
Sepal.—Length: 2 cm. Width: 0.5 cm. Shape: Oblong.
Color: RHS 145A.
Pedicel.—Length: 3 cm. Diameter: 0.1 cm. Color: RHS 40
N144D. Surface texture: Thorny.
Peduncle.—Color: RHS N144D. Intensity of anthocya-
nin coloration: Weak. Surface texture: Thorny.
Fruit:
Length.—3 cm. 45

Diameter.—2.5 cm.
Length/width ratio.—1.2.
General shape in lateral view.—Conical.
Color.—RHS N30A.
Glossiness.—Strong.
Firmness.—Firm.
Adherence to plug.—Weak.
Weight of single drupe.—0.07 g.
Number of drupelets per berry.—100.
Average weight per berry.—5.5 g.
Soluble solids (° brix).—10.2.
Seed:
Length.—4 cm.
Width.—2 cm.
Shape.—Kidney.
Color.—RHS 24C.
Production:
Main bearing type.—Primocane.
Primocane (current year's cane).—Time of beginning
of flowering: August 20th. Time of beginning of fruit
ripening: September 20th. Length of fruiting period:
3 months. Yield: 12000 kg to 16000 kg per hectare
per season from 6-month-old plants when grown in
Huelva (Spain). Fruit storage life and shipping qual-
ity: 10 days. Market use: Fresh. Heat/cold tolerance:
Both cold and heat tolerance. Plant/fruit disease and
pest resistance/susceptibility: None.
'Stella' can be compared to the commercial Raspberry
variety 'RAFZAQU' (U.S. Plant Pat. No. 19,512). Differ-
ences between the varieties are described in Table 1.

TABLE 1

Comparison with Similar Variety	Variety 'Stella'	Commercial line 'RAFZAQU'
Winter production	Yes	No
Fruit color	N30A	44A
Internodal distance	7 cm	4.5 cm
Plant height	172 cm	156 cm
Thorn color	N81A	183A
Primocane cane color	181C	144B

I claim:
1. A new and distinct variety of raspberry plant named
'Stella', as illustrated and described herein.

* * * * *



FIG. 1

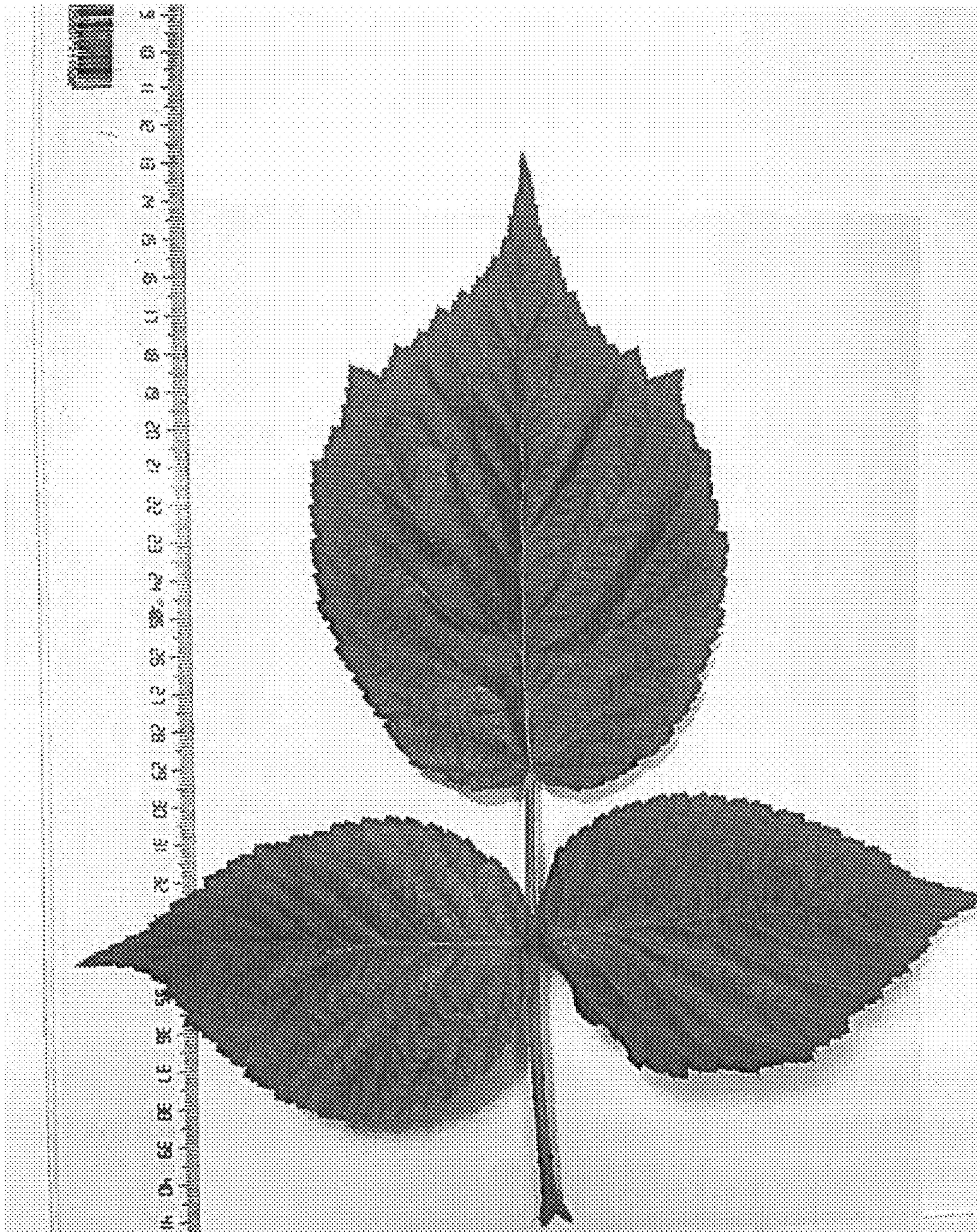


FIG. 2



FIG. 3