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(12) United States Plant Patent
Schräder**(10) Patent No.: US PP15,975 P3****(45) Date of Patent: Sep. 20, 2005****(54) VARIETY OF *OSTEOSPERMUM* PLANT
NAMED 'SUMOST 02'****(52) U.S. Cl. Plt./360****(58) Field of Search Plt./360****(50) Latin Name: *Osteospermum ecklonis*
Varietal Denomination: **Sumost 02******(56) References Cited****(75) Inventor: Ralf Schröder, Lüdinghausen (DE)****PUBLICATIONS****(73) Assignee: Ralf Shrader, Ludinghausen (DE)**UPOV-ROM GTITM Computer Database Feb. 2004, GTI
Jouve Retrieval Software, Citation for 'Sumost 02'.***(*) Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 31 days.

* cited by examiner

Primary Examiner—Anne Marie Grunberg*Assistant Examiner*—Annette H Para**(74) Attorney, Agent, or Firm**—The Webb Law Firm**(21) Appl. No.: 10/456,672****(22) Filed: Jun. 6, 2003****(57) ABSTRACT****(65) Prior Publication Data**

US 2004/0250328 P1 Dec. 9, 2004

A new and distinct *Osteospermum* plant that exhibits orange
flowers and reddish-purple disc florets.**(51) Int. Cl.⁷ A01H 5/00****2 Drawing Sheets****1**Botanical classification: *Osteospermum ecklonis*.
Varietal denomination: 'Sumost 02'.**BACKGROUND OF THE INVENTION**

The present invention comprises a new and distinct cul-
tivar of *Osteospermum* plant known by the varietal name
'Sumost 02'. The new variety was discovered in June 2001
in a selected breeding program in Lüdinghausen, Germany
designed to produce a new variety of orange *Osteospermum*
that is upright and exhibits strong root disease resistance.
The new variety was selected from a cross of proprietary
unpatented breeding plants, Seedling 2759 (female parent)
and Seedling 115/2 (male parent). The new variety exhibits
similar summer blooming to its parents, but is orange in
color and has a semi-erect habit. The new variety flowers
during the summer similar to 'Seikimora' (U.S. Plant Pat.
No. 13,409), but 'Sumost 02' has larger flowers, a stronger
branching habit, a semi-erect habit during the flowering
period and a lighter flower color. The new variety was first
asexually reproduced in June 2001 by cuttings in L
üdinghausen, Germany. The new variety has been trial and
field tested in Lüdinghausen and has been found to retain its
distinctive characteristics and remain true to type through
successive propagations.

The following traits distinguish 'Sumost 02' as a new and
distinct cultivar:

1. 'Sumost 02' flowers during the summer;
2. 'Sumost 02' flowers without a cool period;
3. 'Sumost 02' has many ray florets;
4. No white band is present on the apex of the ray floret;
5. The upper and lower surface flower color is 29A
Orange with a partial 165C Greyed-orange lower sur-
face; and
6. The color of the disc floret is 59A Red-purple; and
7. The branching habit is at first upright and then semi-
erect in the summer.

2**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:

FIG. 1 is a photograph of the plant; and

FIG. 2 is a close up view of the blooms of the new plant.

DESCRIPTION OF THE PLANT

The following detailed description sets forth characteris-
tics of the new cultivar. The data which defines these
characteristics were collected by asexual reproductions by
cuttings carried out in Lüdinghausen Germany. Flowering
plants were grown in 12 cm containers at temperatures
between 14° C. to 16° C. and in a sunny place. Color
measurements were taken indoors under artificial light. The
new variety was four months old when described. Color
references are primarily to the 2001 R.H.S. Colour Chart of
The Royal Horticultural Society of London.

PLANT

Time to initiate roots: About 4 days at 17° C.

Time to develop roots: About 8 days at 17° C.

Time to produce a finished flowering plant from a rooted
cutting: About 12 weeks in a 12 cm container.

Form: Spreading.

Height: Approximately 30–35 cm.

Diameter: Approximately 25 cm.

Vigor: Good before flowering.

Branching habit: Upright; semi-erect at the end of summer.

Lateral branches:

Length.—Primary: 30–35 cm. Secondary: 20–25 cm.

Diameter.—Primary: 8 mm. Secondary: 5 mm.

Internode length.—2.5 cm.

Strength.—Medium.

Shape.—Pentagonal.

Pubescence.—Smooth.

Color.—145A.

Foliage:

Arrangement.—Alternate.
Leaf length.—5.0–6.0 cm.
Leaf width.—2.5 cm.
Overall shape.—Obovate.
Aspect.—Weak.
Apex.—Obtuse.
Base.—Obtuse.
Margin.—Entire; with some large serration.
Pubescence.—None.
Color.—Young leaves: Upper surface: 139A. Lower surface: 138A. Mature leaves: Upper surface: 138A. Lower surface: 138B.
Petiole.—No petiole present; the leaf is directly connected to the stamen.
Veins.—Color: Upper surface: 145C. Lower surface: 145C.

FLOWER

Natural flowering season: March to October.
 Form: Actinomorphic.
 Inflorescence position: Top.
 Arrangement: Ray floret overlaps the disc floret.
 Number of flowers per plant: Approximately 30.
 Size:
Diameter.—7.5–8.0 cm.
Height.—1.5 cm.
Disc diameter.—1.2 cm.
 Ray florets:
Length.—3.8–4.0 cm.
Width.—0.7–0.8 cm.
Shape.—Long; obovate.
Apex.—Obtuse.
Base.—Acute.
Margin.—Entire.
Aspect.—Weak.
Texture.—Smooth.
Number per inflorescence.—26.
Color.—When opening and fully opened: Upper surface: 29A. Lower surface: 29A with partial 165C.
 Disc florets:
Length.—5 mm.
Width.—1 mm.
Shape.—Tube shaped.
Number of lobes.—2.
Number per inflorescence.—Approximately 70.
Color.—Immature: Apex: 59B. Margin: 1D. Mature: Apex: 59A. Margin: 1D.
 Phyllaries:
Length.—10 mm
Width.—1 mm. .

Shape.—Lanceolate.
Apex.—Acute.
Margin.—Entire.
Number per inflorescence.—45.
Arrangement.—Overlapping.
Texture.—Pubescence present.
Color.—Upper surface: 138A with stripes of 138B. Lower surface: 138B.

Peduncle:

Length.—Approximately 6–7 cm.
Diameter.—2 mm.
Color.—145A.
Pubescence.—Present.
Strength.—Strong.

Bud (described at 2 days before opening):

Shape.—Oval.
Diameter.—10 mm.
Length.—18 mm.
Color.—17A.

Disease resistance: Good resistance against Phythium and Phytophthora.

Fragrance: Faint; sweet.

Temperature tolerance: From 1° C. to 40° C.

Lasting quality: About 6 days with dry weather.

Drought tolerance: Good.

REPRODUCTIVE ORGANS

Androecium:

Presence.—On the disc.
Number.—Many.
Filament length.—3 mm.
Anthers.—Shape: Oval. Length: 1 mm. Color: 59A.
Pollen.—Color: 29A. Amount: Little.

Gynoecium:

Presence.—On the ray florets and some in the disc.
Pistils.—Number: Approximately 40. Length: Approximately 3 mm. Style: Length: 2 mm. Color: 155C.
 Stigma: Shape: Two-parted. Color: N89A.

Seeds:

Description.—Irregular production.
Color.—161C.
Length.—2 mm.
Width.—1 mm.
Number.—5 to 6.

I claim:

1. A new and distinct variety of *Osteospermum* plant substantially as shown and described.

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Fig. 1

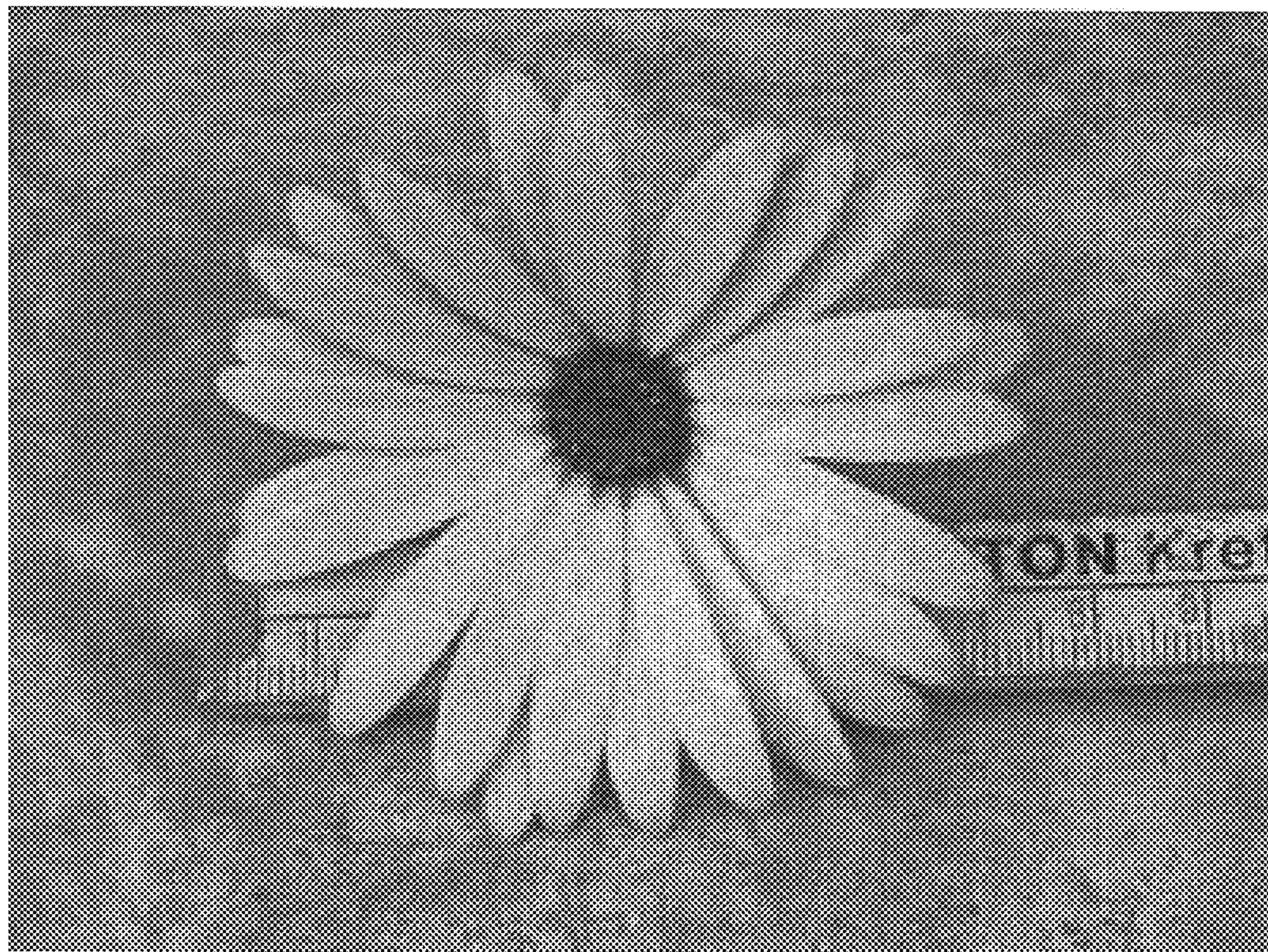


Fig. 2