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Stahlhut

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(54) **CARNATION PLANT NAMED ‘CFPC AZTEC’**

(50) Latin Name: *Dianthus caryophyllus*
Varietal Denomination: **CFPC Aztec**

(75) Inventor: **Roy Stahlhut**, Watsonville, CA (US)

(73) Assignee: **California Florida Plant Company**,
Salinas, CA (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 192 days.

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(65) **Prior Publication Data**

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

(52) **U.S. Cl.** **Plt./273**

(58) **Field of Classification Search** Plt./273
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

2001–2002 California Florida Plant Company brochure list-
ing the variety ‘CFPC Invitation’. See, e.g., p. 5 (photo-
graph).

2004–2005 California Florida Plant Company brochure list-
ing the variety ‘CFPC Invitation’. See, e.g., p. 6 (photo-
graph).

Primary Examiner—Kent Bell

Assistant Examiner—Annette H Para

(74) *Attorney, Agent, or Firm*—Winston & Strawn, LLP

(57) **ABSTRACT**

A new variety of carnation plant named ‘CFPC Aztec’
having large distinctive light orange flowers with occasional
pink pencil marks along the petals and on the tips of the
petals.

1 Drawing Sheet

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Latin name of the genus and species: Botanical classifi-
cation: *Dianthus caryophyllus*.

Variety denomination: The new carnation variety denomi-
nation is ‘CFPC Aztec’.

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cul-
tivar of hybrid carnation botanically known as *Dianthus*
caryophyllus, and referred to by the cultivar name ‘CFPC
Aztec’.

‘CFPC Aztec’, identified as selection no. 020254, origi-
nated from a cross made by Roy Stahlhut in a controlled
breeding program in Salinas, Calif.

The female parent of the new variety is the unpatented
variety known as ‘CFPC Invitation’ and the male parent is
the unpatented variety known as selection no. 000271. The
new variety ‘CFPC Aztec’ has been asexually reproduced by
vegetative side shoot cuttings in Salinas, Calif. and the
distinguishing characteristics are retained through succes-
sive generations of asexual reproduction.

BRIEF SUMMARY OF THE INVENTION

‘CFPC Aztec’ is a potted spray-type of carnation plant
variety having distinctive light orange flowers with occa-
sional pink pencil marks along the petals and on the tips of
the petals.

COMPARISON WITH FEMALE PARENT

Plants of the new carnation variety ‘CFPC Aztec’ are
similar to the female parent ‘CFPC Invitation’ in plant habit
and growth rate. In side-by-side comparisons in Salinas,
Calif., under commercial practice, plants of the new carna-
tion variety ‘CFPC Aztec’ differed from plants of the female

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parent ‘CFPC Invitation’ in at least the following character-
istic:

1. The new variety ‘CFPC Aztec’ produces light orange
flowers with occasional pink pencil markings whereas
the female parent ‘CFPC Invitation’ produces yellow
flowers.

COMPARISON WITH MALE PARENT

Plants of the new carnation variety ‘CFPC Aztec’ are
similar to the male parent selection no. 000271 in plant habit
and growth rate, but differed from plants of the male parent
in at least the following characteristic:

1. The new variety ‘CFPC Aztec’ produces light orange
flowers with occasional pink pencil markings while the
male parent selection no. 000271 produces light red
flowers.

BRIEF DESCRIPTION OF ILLUSTRATION

Typical specimens of the plant and flowers for the new
carnation variety ‘CFPC Aztec’ are shown in the accompa-
nying photograph. The colors shown are as true as possible
within the usual limits of this kind of illustration.

FIG. 1 is a whole plant view of the new variety ‘CFPC
Aztec’ grown in a pot. The plant shown in the illustration is
119 days from date of planting.

DETAILED BOTANICAL DESCRIPTION

The following description of the new carnation variety
‘CFPC Aztec’ is of plants 119 days from the date of planting
grown in a commercial greenhouse in Salinas, Calif. in the
month of December. The cultivar has not been observed
under all possible environmental conditions. The phenotype
may vary significantly with variations in the environment

such as temperature, length of day and light intensity without any variance in genotype.

Plants of the new variety have been grown successfully under temperature conditions averaging about 18° C. at night and about 24° C. to 28° C. during the day under light conditions of about 12 hours. Plants are daylight neutral and flower throughout the year. Chemical growth regulators are not required for production.

The new variety may be produced as a potted spray-type carnation. To produce a commercial product the plants may be pinched once with the center bud removed. Pinched plants are about 19.1 cm tall and about 17.8 cm in diameter. Flower diameter averages about 4.8 cm with a crown of about 2.2 cm. Foliage is generally about 10 cm long and about 0.9 cm at the widest point. The typical container size for commercial growth is 4½ inches. It has been observed that the shelf life of the new variety is about 21 days with the first appearance of color in the buds occurring at about 100–110 days after planting of cuttings. The commercial classification of the new carnation variety is a potted spray-type.

The following description is with respect to a plant produced as a potted spray-type. The plant and flower measurements and foliage size are established as an average using standard commercial cultural practices. In the description of this new carnation variety, color values have been taken from The Royal Horticultural Society Colour Chart (R.H.S.C.C.).

PLANT

Height (cm): 19.1.
 Form: Herbaceous.
 Growing habit: Semi-upright.
 Branching characteristics: 2–3 laterals per stem.
 Breaking action: Very good: 5–6 breaks per plant with strong straight stems.
 First appearance of color in buds: 100–110 days after planting.
 Vigor: Excellent.
 Shelf life: 21 days.
 Blooming habit: Spray type.
 Blooming season: Year round.
 Lastingness of blooms: about 10 days.
 Disease (susceptibility/resistance observed): Good resistance to soil-borne diseases such as *Fusarium oxysporum* and *F. graminearium*, and root rots such as damping off, water molds and similar types, as is typical of carnations.
 Pest (susceptibility/resistance observed): None observed.
 Drought and temperature (susceptibility/resistance observed): None observed.
 Mutation prone: No.
 Propagation:
 Type.—Side shoot cuttings.
 Time to rooting.—19 days with soil temperatures of 18° C. to 21° C.
 Rooting habit.—Good fibrous system.
 Growth treatments or special conditions: None.

FOLIAGE

Stem:
 Diameter.—Base (cm): 0.6. Apex (cm): 0.2.
 Texture.—Smooth.
 Cross section.—Edged.
 Color.—Internode: 137C (after removal of wax). Node: 145D.

Number of leaves per lateral branch: 18–20.
 Arrangement of leaves: Bi-lateral along the stem.
 Shape of leaf.—Long, narrow, lanceolate.
 Size of leaf.—Width (cm): 0.9. Length (cm): 10.
 Leaf apex.—Acute.
 Edge.—Smooth.
 Surface texture.—Top: smooth. Bottom: smooth.
 Leaf venation: Prominent mid-vein at underside.
 Leaf longitudinal axis: Recurved.
 Leaf cross section (upper side): Weakly concave.
 Leaf color: Mature leaf, upper side: 137A. Under side: 137B.
 Leaf waxy layer: Medium.

FLOWER

Flower appearance: Matte.
 Flower type: Double.
 Flower profile of upper part of corolla: Convex.
 Flower profile of lower part of corolla: Concave.
 Flower shape: Dome shaped, round.
 Number of blooms per branch: 10–12.
 Depth of fully expanded blossoms (cm).—2.2.
 Diameter of fully expanded blossoms (cm).—4.8.
 Calyx:
 Sepals number.—5.
 Length (cm).—0.6.
 Width (cm).—0.6.
 Color.—Outer side: middle to tip: 143B. Base: 145A.
 Inner side: 148D.
 Texture.—Smooth.
 Appearance.—Matte.
 Shape.—Cylindrical.
 Flower petals:
 Form/shape.—Fan shaped.
 Texture.—Smooth.
 Appearance.—Matte.
 Petal surface of blade.—Slight undulating.
 Number per flower.—30.
 Outer petals.—Length (cm): 4.6. Width (cm): 3.0.
 Inner petals.—Length (cm): 4.0. Width (cm): 2.0.
 Fragrance: None to faint.
 Flower bud (at onset of color):
 Length (cm).—2.8.
 Diameter (cm).—1.1.
 Form/shape.—Ovoid.
 Flower color:
 1. General tonality.—Light orange with occasional pink pencil marks along petals and tips of petals.
 2. Petals, upper surface.—19B.
 3. Petals, lower surface.—18B.
 4. Petals, edge.—19B.
 5. Petals, center.—19D.
 6. Pencil marks.—62A.
 6. Early bud.—19B.
 Color distribution: Striated.
 Flower progression with age: Color transitions to a lighter golden yellow (18B) from initial orange (19B) color.

REPRODUCTIVE ORGANS

Gynoecium: Pistillate.
 Pistil number.—1.
 Pistil length (cm).—2.9.
 Pistil color.—Whiter than 155D (with red flush).
 Stigma number.—Only 3.
 Stigma color.—Whiter than 155D.
 Stigma shape.—Filamentous.

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Style color.—Whiter than 155D.

Style number.—Only 3.

Ovary:

Shape.—Ovoid.

Surface.—Smooth.

Color.—Base: 157B. Body: 145A. Apex: 145A.

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Androecium: None produced.

Fruit and seeds: None produced.

What is claim is:

1. A new and distinct variety of carnation plant, substantially as described and illustrated herein.

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