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Korlipara

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(54) **ECHINACEA PURPUREA PLANT NAMED**
'FANCY FRILLS'

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

(50) Latin Name: *Echinacea purpurea*
Varietal Denomination: **Fancy Frills**

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

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

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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 45 days.

(57) **ABSTRACT**

A new and distinct cultivar of *Echinacea purpurea* plant
named 'Fancy Frills' characterized by its unique frilled and
doubled ray florets that are held out stiffly, reddish to maroon
cones, lovely fragrance, and an upright vigorous habit.

(21) Appl. No.: **11/155,225**

(22) Filed: **Jun. 16, 2005**

1 Drawing Sheet

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Botanical denomination: *Echinacea purpurea*.
Variety designation: 'Fancy Frills'.

The present invention relates to a new and distinct cultivar
of *Echinacea purpurea* and given the name 'Fancy Frills'.
Echinacea is in the family Asteraceae. This new cultivar
originated as a seedling from an open pollinated cross
between *Echinacea* 'Ruby Giant', an unpatented plant, as
the seed parent and an unknown pollen parent.

This new *Echinacea purpurea* cultivar is distinguished
by:

1. Large rose colored double and frilled florets.
2. Ray florets spread out stiffly, parallel to ground.
3. Reddish to maroon cones.
4. Lovely fragrance.
5. Strong upright stems.
6. Good vigor.

This new cultivar has been reproduced only by asexual
propagation (division and tissue culture). Each of the prog-
eny exhibits identical characteristics to the original plant.
Asexual propagation by division and tissue culture using
standard micropropagation techniques with terminal and
lateral shoots, as done in Canby, Oreg., shows that the
foregoing characteristics and distinctions come true to form
and are established and transmitted through succeeding
propagations. The present invention has not been evaluated
under all possible environmental conditions. The phenotype
may vary with variations in environment without a change
in the genotype of the plant.

BRIEF DESCRIPTION OF THE DRAWINGS

The photograph shows a close up of the floret of a one
year old *Echinacea purpurea* 'Fancy Frills' grown in the
ground in the field in the summer in Canby, Oreg.

DETAILED PLANT DESCRIPTION

The following is a detailed description of the new *Echinea*
purpurea cultivar based on observations of a one-year-
old specimen growing in the ground in full sun under typical
outdoor conditions. Canby is in Zone 8 on the USDA
Hardiness map. Temperatures range from a high of 95

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degrees F. in August to 32 degrees F. in January. Normal
rainfall in Canby is 42.8 inches per year in the trial fields in
Canby, Oreg. The color descriptions are all based on The
Royal Horticultural Society Colour Chart.

Botanical denomination: *Echinacea purpurea*.
Variety designation: 'Fancy Frills'.

Parentage: *Echinacea purpurea* 'Ruby Giant' x unknown.
Plant:

- Type*.—Herbaceous perennial.
- Hardiness*.—USDA Zones 4 to 9.
- Size*.—30 cm wide and 74 cm tall to top of florets.
- Form*.—Basal clump.
- Vigor*.—Excellent.

Roots.—Fibrous, with many downward growing and
few laterals, ivory in color, Yellow White 158D.
Roots develop easily from cuttings from the crown.

Stem:

- Type*.—Ascending.
- Size*.—50 cm tall to top of florets and 9 mm wide.
- Internode length*.—5 to 7 cm.
- Surface texture*.—Strigose.
- Color*.—Yellow Green 145A on shaded side and Greyed
Purple 187A to B on sun side.

Leaf:

- Type*.—Simple.
- Shape*.—Ovate.
- Arrangement*.—Alternate.
- Blade length*.—12.5 to 14 cm.
- Width*.—7 to 8 cm at the widest part.
- Margins*.—Coarsely serrate or toothed.
- Apex*.—Acuminate.
- Base*.—Obliquely attenuate, continuing down petiole.
- Surface texture*.—Strigose.
- Venation*.—Pinnate, with three main veins from near
the base.
- Color*.—Topside —Deep Green, Closest to Yellow
Green 147A. Bottom — Yellow Green 147B.
- Petiole size*.—6 cm long and 4 mm wide if basal leaf,
2 to 4 cm long and 4 mm wide if cauline leaf.
- Petiole surface texture*.—Strigose.

Petiole color.—Yellow Green 145A with blotches of Greyed Purple 187A on both sides.

Inflorescence:

Type.—Long stalked terminal heads.

Number of stalks in first flush.—15 on average.

Peduncle.—Height: 11 to 19 cm. Diameter: 7 mm near floret head. Surface texture: Strigose. Color: Yellow Green 145A marked or mottled with Greyed Purple 187B.

Flower:

Type.—Perfect, zygomorphic.

Size.—11.5 cm wide and 2 to 4 cm deep as disc enlarges.

Ray florets.—In 4 series with prominent pleats or veins, presented at various angles. Shape: Most oblong with the tip two to three toothed, closest to the cone they may have a tooth or appendage that is linear to oblanceolate and curl up (12 mm long) giving the center frill, margins entire. Size: Grows to 4 cm long, 1.2 cm wide. Texture: Rubbery. Surface texture: Glabrous. Color: Ray floret, topside — Red Purple 64C at base to 64D at middle and Greyed Purple 186C at tip. Ray floret, bottom side — Closest to Greyed Purple 186B.

Disc.—Shape: Convex becoming conic. Size: 4.5 cm wide and becoming 3.5 cm deep with maturity. Color: Greyed Purple 185A when in bud, opening to red orange, Red Orange 34A overall.

Disc floret.—9 mm long, Yellow Green 144B, 5 lobed, each floret with one persistent, very stiff bract, 14 mm long, which gives the disc color. Bract color: Yellow Orange 22A when in bud, changing to

orange, Yellow Orange 22A tipped with Greyed Purple 187A changing to Greyed Purple 187A and B. *Pistil*.—7 mm long, extruding, 2-branched stigma, Greyed Purple 187A.

Stamen number.—5.

Pollen color.—Scant, Yellow Orange 20A.

Phyllaries.—Phyllaries in eight or more leafy series and continuing down the peduncle, lobes lanceolate in shape, reflexed, apex acuminate, strigose, area: 5 cm wide and 2.5 deep.

Phyllary size.—Grows to 25 mm long and 3 mm wide.

Phyllary color.—Yellow Green 147A.

Bloom period.—July through September in Canby, Oreg.

Fragrance.—Lovely, strong.

Seed: Not seen.

Fertility.—Fertile.

Disease and pests: *Echinacea* are susceptible to leaf miners, powdery mildew, bacterial spots, and gray mold. None of these have been observed on plants grown under commercial conditions in Canby, Oreg. This variety has no known resistance to normal *Echinacea* problems.

COMPARISONS TO SIMILAR *Echinacea*

Compared to *Echinacea purpurea* 'Ruby Giant', an unpatented plant and the seed parent, the ray florets of this new cultivar are in 4 or more series rather than 2 and the leaves are broader.

I claim:

1. A new and distinct cultivar of *Echinacea purpurea* plant as herein illustrated and described.

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