



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

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(54) **ASTER PLANT NAMED ‘BKATRPU’**

(50) Latin Name: *Aster novi-belgii*
Varietal Denomination: **BKATRPU**

(75) Inventor: **Annie Cornelia Beekenkamp**, Maasdijk
(NL)

(73) Assignee: **Beekenkamp Plants B.V.**, Maasdijk
(NL)

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patent is extended or adjusted under 35
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Primary Examiner — June Hwu

(74) *Attorney, Agent, or Firm* — C. A. Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Aster* plant named
‘BKATRPU’, characterized by its broadly upright and uni-
formly mounded plant habit; freely branching growth habit;
uniform and freely flowering habit; and large daisy-type
inflorescences with violet-colored ray florets.

2 Drawing Sheets

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Botanical designation: *Aster novi-belgii*.
Cultivar denomination: ‘BKATRPU’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Aster* plant, botanically known as *Aster novi-belgii* and
hereinafter referred to by the name ‘BKATRPU’.

The new *Aster* plant is a product of a planned breeding
program conducted by the Inventor in Maasdijk, The Neth-
erlands. The objective of the breeding program was to
develop new freely-branching container-type *Aster* plants
with uniform plant habit and attractive inflorescence colora-
tion.

The new *Aster* plant originated from an open-pollination in
July, 2007 in Maasdijk, The Netherlands of a proprietary
selection of *Aster novi-belgii* identified as code number
1001087, not patented, as the female, or seed, parent with an
unknown selection of *Aster novi-belgii*, as the male, or pollen,
parent. The new *Aster* plant was discovered and selected by
the Inventor as a single flowering plant within the progeny of
the stated open-pollination in a controlled environment in
Maasdijk, The Netherlands in July, 2008.

Asexual reproduction of the new *Aster* plant by vegetative
tip cuttings was first conducted in Maasdijk, The Netherlands
in November, 2008. Asexual reproduction by cuttings has
shown that the unique features of this new *Aster* plant are
stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Aster* plant have not been observed under
all possible environmental conditions and cultural practices.
The phenotype may vary somewhat with variations in envi-
ronmental conditions such as temperature, daylength and
light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are
determined to be the unique characteristics of ‘BKATRPU’.
These characteristics in combination distinguish
‘BKATRPU’ as a new and distinct *Aster* plant:

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1. Broadly upright and uniformly mounded plant habit.
2. Freely branching growth habit.
3. Uniform and freely flowering habit.
4. Large daisy-type inflorescences with violet-colored ray
florets.

Plants of the new *Aster* differ from plants of the female
parent selection in the following characteristics:

1. Leaves of plants of the new *Aster* are narrower than
leaves of plants of the female parent selection.
2. Plants of the new *Aster* flower have larger inflorescences
than plants of the female parent selection.
3. Plants of the new *Aster* and the female parent selection
differ in ray floret color as plants of the female parent
selection have light purple-colored ray florets.

Plants of the new *Aster* can be compared to plants of *Aster*
‘Crown Fortuna’, not patented. In side-by-side comparisons
conducted in Maasdijk, The Netherlands, plants of the new
Aster differed from plants of ‘Crown Fortuna’ in the follow-
ing characteristics:

1. Plants of the new *Aster* were more uniformly mounded
than plants of ‘Crown Fortuna’.
2. Leaves of plants of the new *Aster* were narrower than
leaves of plants of ‘Crown Fortuna’.
3. Plants of the new *Aster* and ‘Crown Fortuna’ differed in
ray floret color as plants of ‘Crown Fortuna’ have pink-
ish purple-colored ray florets.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs illustrate the overall
appearance of the new *Aster* plant showing the colors as true
as it is reasonably possible to obtain in colored reproductions
of this type. Colors in the photographs may differ slightly
from the color values cited in the detailed botanical descrip-
tion which accurately describe the colors of the new *Aster*
plant.

The photograph on the first sheet comprises a side perspec-
tive view of a typical flowering plant of ‘BKATRPU’ grown in
a container.

The photograph on the second sheet are close-up views of the upper and lower surfaces of typical leaves and typical inflorescences of 'BKATRPU'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observations and measurements describe plants grown during the late summer in 15-cm containers in a glass-covered greenhouse in Maasdijk, The Netherlands and grown under environmental conditions and cultural practices which approximate those generally used in commercial container *Aster* production. During the production of the plants, day and night temperatures ranged from 18° C. to 19° C. Plants were pinched 24 days after planting and were eleven weeks old when the photographs and the description were taken. In the following description, color references are made to The Royal Horticultural Society Colour Chart, Fifth Edition, except where general terms of ordinary dictionary significance are used. Botanical classification: *Aster novi-belgii* 'BKATRPU'. Parentage:

Female, or seed, parent.—Proprietary selection of *Aster novi-belgii* identified as code number 1001087, not patented.

Male, or pollen, parent.—Unknown selection of *Aster novi-belgii*, not patented.

Propagation:

Type.—Terminal vegetative cuttings.

Time to initiate roots, summer.—About 10 to 14 days at temperatures of about 19° to 20° C.

Time to initiate roots, winter.—About 14 to 16 days at temperatures of about 19° to 20° C.

Time to produce a rooted young plant, summer.—About three weeks at temperatures of about 19° C. to 20° C.

Time to produce a rooted young plant, winter.—About three to four weeks at temperatures of about 19° C. to 20° C.

Root description.—Medium in thickness, fibrous; white in color.

Rooting habit.—Moderately freely branching; medium density.

Plant description:

Plant shape and habit.—Herbaceous daisy-type potted *Aster*; broadly upright with lateral branches somewhat outwardly spreading; inverted triangle with uniformly mounded crown.

Branching habit.—Strong and freely branching growth habit with about six lateral branches per plant; pinching enhances lateral branch development.

Plant height.—About 14 cm.

Plant width.—About 20 cm.

Lateral branches.—Length: About 9.3 cm. Diameter: About 1.5 mm. Internode length: About 1.1 cm. Strength: Strong. Angle: Upright to about 35° from vertical. Texture: Smooth, glabrous. Color: Between 137A and N137B.

Foliage description:

Arrangement.—Alternate, simple; sessile.

Length.—About 5.8 cm.

Width.—About 1.4 cm.

Shape.—Narrowly elliptic to oblanceolate.

Apex.—Narrowly acute.

Base.—Cordate, amplexicaul.

Margin.—Finely serrate.

Venation.—Pinnate.

Texture, upper and lower surfaces.—Glabrous; slightly rugose.

Color.—Developing leaves, upper surface: Close to N137C. Developing leaves, lower surface: Close to 137B. Fully expanded leaves, upper surface: Darker than between N137A and 147A; venation, darker than between N137A and 147A. Fully expanded leaves, lower surface: Close to N137B; venation, close to 146A.

Inflorescence description:

Appearance.—Daisy-type inflorescence form with narrowly oblanceolate-shaped ray floret; inflorescences borne uniformly on terminals above and beyond the foliar plane; disk and ray florets arranged acropetally on a capitulum.

Fragrance.—None detected.

Natural flowering season.—Under natural conditions, plants flower from midsummer into the autumn in The Netherlands; plants begin to flower about five weeks after planting.

Inflorescence longevity of the plant.—Inflorescences maintain good substance and color for about two weeks; inflorescences persistent.

Quantity of inflorescences.—Freely flowering habit with about 30 inflorescences developing per plant.

Inflorescence bud.—Height: About 9 mm. Diameter: About 4 mm. Shape: Broadly ovate. Color: Close to 157C; towards the apex, close to 85C; towards the base, close to 143A.

Inflorescence size.—Diameter: About 3.1 cm. Depth (height): About 1.3 cm. Diameter of disc: About 1.4 cm. Receptacle height: About 1 mm. Receptacle diameter: About 3 mm. Receptacle color: Close to 145C.

Ray florets.—Length: About 1.6 cm. Width: About 3 mm. Shape: Narrowly oblanceolate. Apex: Obtuse. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous; longitudinally ribbed. Orientation: Initially upright, then about 70° from vertical. Number of ray florets per inflorescence: About 36 arranged in about two whorls. Color: When opening, upper surface: Between 86A and N88A. When opening, lower surface: Close to N88B. Fully opened, upper surface: Between 86A and N88A; color becoming closer to N87A to N87B with development. Fully opened, lower surface: Close to N88A; color becoming closer to N87C with development.

Disc florets.—Quantity per inflorescence: About 50. Length: About 6.5 mm. Diameter: About 2 mm. Shape: Tubular, elongated; apices, acute. Texture, inner and outer surfaces: Smooth, glabrous. Color, when opening and fully opened, inner and outer surfaces: Close to 155A.

Phyllaries.—Number of phyllaries per inflorescence: About 60 arranged in about four whorls. Length: About 5 mm. Width: About 1 mm. Shape: Lanceolate. Apex: Narrowly acute. Base: Cuneate. Margin: Entire. Texture, upper and lower surfaces: Smooth, glabrous. Color, upper surface: Close to 143A. Color, lower surface: Close to 143B.

Peduncles.—Length, terminal peduncle: About 5 mm. Length, fourth peduncle: About 1 cm. Diameter: About 1 mm. Angle: Upright to about 40° from vertical. Strength: Strong, flexible. Texture: Smooth, glabrous. Color: Close to 137C.

Reproductive organs.—Androecium: Present on disc florets only. Quantity of stamens per floret: Five. Filament length: About 3 mm. Filament color: Close to 145C. Anther shape: Obovate. Anther length: About 1.5 mm. Anther color: Close to 13C. Pollen amount: Moderate. Pollen color: Close to 22A. Gynoecium: Present on ray and disc florets. Quantity of pistils per floret: One. Pistil length: About 4.5 mm. Stigma shape: Bi-parted. Stigma color: Close to 150D. Style length: About 3.5 mm. Style color: Close to 150D. Ovary color: Close to 145A.

Seeds and fruits.—Seed and fruit production have not been observed on plants of the new *Aster*.

Disease & pest resistance: Resistance to pathogens and pests common to *Asters* has not been observed on plants of the new *Aster*.

Garden performance: Plants of the new *Aster* have been observed to have good garden performance and to tolerate temperatures ranging from 8° C. to about 30° C.

It is claimed:

1. A new and distinct *Aster* plant named 'BKATRPU' as illustrated and described.

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