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Kolster

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(54) **BACCHARIS PLANT NAMED ‘KOLMSTAR’**

OTHER PUBLICATIONS

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UPOV ROM GTITM Computer Database, GTI JOUVE
retrieval software 2002/02, citation(s) for ‘Kolmstar’.*

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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 0 days.

* cited by examiner

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Primary Examiner—Bruce R. Campell

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(51) **Int. Cl.**⁷ **A01H 5/00**

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(52) **U.S. Cl.** **Plt./226**

(58) **Field of Search** Plt./226

(57) **ABSTRACT**

(56) **References Cited**

A new and distinct cultivar of *Baccharis* plant named
‘Kolmstar’, characterized by its upright and outwardly
spreading plant habit; freely branching growth habit; early
and freely flowering habit; and discoid inflorescences.

U.S. PATENT DOCUMENTS

PP11,240 P * 2/2000 Gass Plt./226

1 Drawing Sheet

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**BOTANICAL CLASSIFICATION/CULTIVAR
DESIGNATION**

Baccharis halimifolia cultivar Kolmstar.

Plants of the new *Baccharis* differ primarily from plants of
the parent selections and other known selections and culti-
vars of *Baccharis* in plant size, leaf size, foliage coloration,
time to flower, and inflorescence coloration.

BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct culti-
var of *Baccharis* plant, botanically known as *Baccharis*
halimifolia, and hereinafter referred to by the name ‘Kolm-
star’.

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The new *Baccharis* was discovered as a cross-pollination
of two unidentified selections of *Baccharis halimifolia*, not
patented. The new *Baccharis* was discovered and selected by
the Inventor in 1998 as a single flowering plant in a
controlled environment in Boskoop, The Netherlands,
within a population of the progeny resulting from the
cross-pollination.

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Asexual reproduction of the new *Baccharis* by cuttings
was first conducted in Boskoop, The Netherlands in 1998.
Since then, asexual reproduction by cuttings has shown that
the unique features of this new *Baccharis* are stable and
reproduced true to type in successive generations.

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SUMMARY OF THE INVENTION

The cultivar Kolmstar has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture and light intensity without, however, any variance in
genotype.

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The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Kolm-
star’. These characteristics in combination distinguish
‘Kolmstar’ as a new and distinct *Baccharis*:

1. Upright and outwardly spreading plant habit.
2. Freely branching growth habit.
3. Early and freely flowering habit.
4. Discoid inflorescences.

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BRIEF DESCRIPTION OF THE PHOTOGRAPHS

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

The photograph at the top of the sheet comprises a side
perspective view of a typical flowering plants of ‘Kolmstar’
grown in an outdoor nursery.

The photograph at the bottom of the sheet is a close-up
view of a typical inflorescence of ‘Kolmstar’.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following observa-
tions and measurements describe plants grown in Boskoop,
The Netherlands, in an outdoor nursery under full sun
conditions. The photographs and the observations and mea-
surements were taken in October, 2001; plants were about
three years old. During the summer, day temperatures
ranged from 14 to 27° C. and night temperatures ranged
from 7 to 14° C. Color references are made to The Royal
Horticultural Society Colour Chart, 1995 edition, except
where general terms of ordinary dictionary significance are
used.

Botanical classification: *Baccharis halimifolia* cultivar Kolmstar.

Parentage:

Female, or seed, parent.—Unidentified selection of *Baccharis halimifolia*, not patented.

Male, or pollen, parent.—Unidentified selection of *Baccharis halimifolia*, not patented.

Propagation:

Type.—By cuttings.

Time to initiate roots.—About 30 days at 20° C.

Time to produce a rooted plant.—About 90 days at 18° C.

Root description.—Medium in thickness; moderate branching.

Plant description:

Appearance.—Perennial herbaceous shrub. Upright and outwardly spreading plant habit; broad inverted triangle. Very freely branching; about eight basal branches with about ten lateral branches develop per plant; dense and full plants. Moderately vigorous growth habit.

Plant height.—About 150 cm.

Plant width or area of spread.—About 160 cm.

Lateral branches.—Length: About 23 cm. Diameter: About 3 mm. Internode length: About 1.7 cm. Strength: Moderately strong. Texture: Slightly rough; glabrous. Color, immature: 144B to 144C to close to 145A. Color, mature: 199B to 199C.

Foliage description.—Arrangement: Alternate; single. Length: About 5.2 cm. Width: About 3 cm. Shape: Elliptic to oblanceolate. Apex: Acute. Base: Attenuate. Margin: Towards base, entire; towards apex, dentate. Venation pattern: Pinnate. Texture, upper and lower surfaces: Rough; glabrous. Color: Young and fully expanded foliage, upper surface: 137A to slightly darker than 137A. Young and fully expanded foliage, lower surface: 137B. Venation, upper and lower surfaces: 138B to 138C. Petiole: Length: About 2 cm. Diameter: About 1 mm. Texture, upper and lower surfaces: Glabrous. Color, upper and lower surfaces: 143C.

Inflorescence description:

Appearance.—Inflorescences held mostly above and beyond the foliage arranged in panicles. Inflorescences discoid, i.e., without ray florets. Inflorescences not persistent. Inflorescences face outward to upright.

Flowering response.—Plants flower continuous and freely from late September to mid-October in Boskoop, The Netherlands.

Postproduction longevity.—Inflorescences maintain good color and substance for about five days on the plant when grown in an outdoor environment. As a cut flowering stem, inflorescences maintain good color and substance for about ten days in an interior environment.

Quantity of inflorescences.—Freely flowering; about 210 open inflorescences and buds per lateral stem per flowering season.

Fragrance.—Moderate; musky and sweet.

Inflorescence bud.—Length: About 4 mm. Diameter: About 0.4 mm. Shape: Ovoid. Color: 157A.

Inflorescence size.—Length: About 6 mm. Diameter: About 4 mm.

Ray florets.—None observed.

Disc florets.—Shape: Tubular, elongated. Apex: Acute. Length: About 5 mm. Diameter: About 0.5 mm. Number of disc florets per inflorescence: About 40. Color, immature and mature: 157A.

Pappus.—Appearance/arrangement: About 25 silky hairs per floret surrounding the style. Length: About 4.5 mm. Diameter: Less than 0.1 mm. Texture: Smooth. Color: 157D to 155C.

Phyllaries.—Length: About 2 mm. Diameter: About 1 mm. Shape: Narrowly ovate. Apex: Acute. Base: Fused. Margin: Entire. Texture: Smooth. Number of whorls per inflorescence: About four. Color, upper and lower surfaces: 143C; towards apex, 174A to 187D.

Pedicels.—Length: About 7 cm. Diameter: About 1 mm. Angle: About 30 to 45° from vertical. Strength: Strong. Texture: Smooth. Color: 143A to 143B.

Reproductive organs.—Androecium: None observed. Gynoecium: Pistils per floret: One. Pistil length: About 6 mm. Style length: About 5 mm. Style color: 157A. Stigma shape: Cleft, reflexed. Stigma color: Close to 182C. Ovary color: 155C.

Fruit.—Quantity per inflorescence: About 28. Type: Achene. Length: About 1.2 cm. Diameter: About 1 mm. Color: 157C to 157D.

Seed.—Quantity per fruit: One. Length: About 0.9 mm. Diameter: About 0.4 mm. Color: 157B.

Disease/pest resistance: Resistance to pathogens and pests common to *Baccharis* has not been observed on plants grown under outdoor conditions.

Temperature tolerance: Plants of the new *Baccharis* have been observed to tolerate temperatures from about -20 to 35° C.

It is claimed:

1. A new and distinct cultivar of *Baccharis* plant named 'Kolmstar', as illustrated and described.

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