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

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(54) **HELIANthemum PLANT NAMED**
'HARTSWOOD'

(58) **Field of Classification Search** Plt./226
See application file for complete search history.

(50) Latin Name: *Helianthemum hybrida*
Varietal Denomination: **Hartswood**

(56) **References Cited**
PUBLICATIONS

(76) Inventor: **Michael Hart**, Woodland Cottage
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UPOVROM GTITM, Plant Variety Database, European
Community PBR 20061999 published Dec. 15, 2006, cita-
tion for 'Hartswood'.*

(*) 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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(57) **ABSTRACT**

(22) Filed: **Dec. 31, 2007**

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

A new and distinct cultivar of *Helianthemum* plant named
'Hartswood', characterized by its upright to arching plant
habit; freely flowering habit; and red purple-colored flowers.

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

1 Drawing Sheet

1

2

Botanical designation: *Helianthemum hybrida*.
Cultivar denomination: 'Hartswood'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Helianthemum*, botanically known as *Helianthemum*
hybrida and hereinafter referred to by the name
'Hartswood'.

The new *Helianthemum* is a naturally-occurring whole
plant mutation of an unnamed selection of *Helianthemum*
hybrida, not patented. The new *Helianthemum* was discov-
ered and selected by the Inventor as a single flowering plant
within a population of plants of the unnamed *Helianthemum*
selection in a controlled environment in Bewdley, Worcester,
United Kingdom during the summer of 1992.

Asexual reproduction of the new *Helianthemum* by tip
cuttings in a controlled environment in Bewdley, Worcester,
United Kingdom since July, 1992, has shown that the unique
features of this new *Helianthemum* are stable and repro-
duced true to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar Hartswood has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment and cultural prac-
tices 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
'Hartswood'. These characteristics in combination distin-
guish 'Hartswood' as a new and distinct cultivar of *Helian-*
themum:

- 1. Upright to arching plant habit.
- 2. Freely flowering habit.
- 3. Red purple-colored flowers.

Plants of the new *Helianthemum* can be compared to
plants of the parent selection. Plants of the new *Helianthe-*
num differ from plants of the parent selection primarily in
flower color as plants of the parent selection have lighter
colored flowers.

Plants of the new *Helianthemum* can also be compared to
plants of the cultivar Ben Ledi, not patented. In side-by-side
comparisons conducted in Bewdley, Worcester, United
Kingdom, plants of the new *Helianthemum* and the cultivar
Ben Ledi differed primarily in flower color as plants of the
cultivar Ben Ledi had lighter colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the
overall appearance of the new *Helianthemum*, 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 description which accurately describe the colors of
the new *Helianthemum*.

The photograph at the bottom of the sheet comprises a
side perspective view of a typical flowering plant of
'Hartswood' grown in a 10 cm. container.

The photograph at the top of the sheet is a close-up view
of a typical flower of 'Hartswood'.

DETAILED BOTANICAL DESCRIPTION

The aforementioned photographs and following
observations, measurements and values describe plants
grown in Lancaster, Pa., under commercial practice during
the winter and spring in a polycarbonate-covered green-
house with day temperatures ranging from 18° C. to 27° C.
and night temperatures ranging from 16° C. to 18° C. Plants
had been growing for about eight months when the photo-
graphs and description were taken. In the following
description, color references are made to The Royal Horti-

cultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Helianthemum hybrida* cultivar Hartswood.

Parentage: Naturally-occurring whole plant mutation of an unnamed selection of *Helianthemum hybrida*, not patented.

Propagation:

Type.—By tip cuttings.

Time to initiate roots.—About 15 days at 22° C.

Time to produce a rooted young plant, summer.—About 35 days at 22° C.

Root description.—Fibrous.

Plant description:

Plant and growth habit.—Perennial; upright to arching plant habit; loose and open plant canopy. Moderately vigorous growth habit. Freely branching habit with about seven to eight lateral branches developing per plant.

Plant height.—About 21 cm.

Plant diameter.—About 12.5 cm.

Lateral branch description.—Length: About 19 cm. Diameter: About 2 mm. Internode length: About 0.6 cm to 2.3 cm. Texture: Pubescent. Strength: Moderately strong. Color: 148B; becoming more grey than 177A with development.

Foliage description:

Arrangement.—Opposite, simple.

Length.—About 4 cm.

Width.—About 9 cm.

Shape.—Narrowly elliptic.

Apex.—Acute.

Base.—Obtuse.

Margin.—Entire.

Texture, upper and lower surfaces.—Sparsely pubescent.

Venation pattern.—Pinnate.

Color.—Developing foliage, upper surface: Close to 146A. Developing foliage, lower surface: Close to 146B. Fully expanded foliage, upper surface: Close to 147A; venation, 147B. Fully expanded foliage, lower surface: Close to 147B; venation, 147B.

Petiole.—Length: About 3 mm. Diameter: About 1 mm. Texture, upper and lower surfaces: Pubescent. Color, upper and lower surfaces: Close to 146D.

Flower description:

Flower arrangement and habit.—Single rose-like flowers arranged in terminal and axillary racemes. Freely flowering habit with seven to nine flowers and flower buds per inflorescence. Flowers face outward to drooping. Flowers not fragrant.

Natural flowering season.—Plants of the new *Helianthemum* flower in the mid to late spring in Pennsylvania. Individual flowers last about three days on the plant; flowers persistent.

Inflorescence height.—About 10.5 cm.

Inflorescence diameter.—About 3.7 cm.

Flower diameter.—About 2.8 cm.

Flower length (depth).—About 1 cm.

Flower bud.—Shape: Ovoid. Length: About 9 mm. Diameter: About 7 mm. Color: Close to 186B.

Petals.—Quantity/arrangement: About five arranged in a single whorl, radially symmetrical. Length: About 1.3 cm. Width: About 1.5 cm. Shape: Broadly obovate. Apex: Rounded with shallow indentations. Base: Acute. Margin: Entire; sinuate. Texture, upper and lower surfaces: Glabrous, smooth; crinkled. Color: When opening, upper surface: Close to 61A. When opening, lower surface: Close to 185C. Fully opened, upper surface: Towards the apex, close to 185D; center, close to 61B; towards the base, close to 171B. Color towards the apex becoming closer to 75B with development. Fully opened, lower surface: Close to 185D; color becoming closer to 75B to 75C with development.

Sepals.—Quantity/arrangement: About three arranged in a single whorl. Length: About 8 mm. Width: About 5 mm. Shape: Elliptical. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper surface: Glabrous, smooth. Texture, lower surface: Pubescent. Color, upper surface: 146B. Color, lower surface: 148B.

Peduncles.—Length: About 5 cm to 7.5 cm. Diameter: About 1 mm. Aspect: Upright to drooping with the weight of the flowers. Texture: Pubescent. Strength: Moderately strong. Color: 148B.

Pedicels.—Length: About 1.4 cm. Diameter: Less than 1 mm. Aspect: About 45° from vertical. Texture: Pubescent. Strength: Moderately strong. Color: 148D.

Reproductive organs.—Androecium: Stamen number per flower: About 40. Filament length: About 3 mm. Filament diameter: Less than 1 mm. Filament color: Close to 13A. Anther shape: Round. Anther length: About 1 mm. Anther color: 14A. Amount of pollen: Scarce. Pollen color: 14A. Gynoecium: Pistil number per flower: One. Pistil length: About 7 mm. Stigma shape: Rounded. Stigma color: 154A. Style length: About 3 mm. Style color: Close to 150A. Ovary color: Close to 145B. Seed/fruit: Seed and fruit development have not been observed on plants of the new *Helianthemum*.

Garden performance: Plants of the new *Helianthemum* have been observed to have good garden performance and to tolerate temperatures from about -5° C. to about 30° C.

Pathogen/pest resistance: Plants of the new *Helianthemum* have not been observed to be resistant to pests and pathogens common to *Helianthemum*.

It is claimed:

1. A new and distinct *Helianthemum* plant named 'Hartswood' as illustrated and described.

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