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Horvath et al.

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(54) **DIANTHUS HYBRID PLANT NAMED**
‘FUCHSIA FIRE’

(22) Filed: **May 26, 2020**

(50) Latin Name: ***Dianthus* hybrid**
Varietal Denomination: **Fuchsia Fire**

(51) **Int. Cl.**
A01H 5/02 (2018.01)
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(52) **U.S. Cl.**
USPC **Plt./277**

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(58) **Field of Classification Search**
USPC **Plt./272, 273, 277**
See application file for complete search history.

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

Primary Examiner — Susan McCormick Ewoldt

(21) Appl. No.: **16/873,628**

1 Drawing Sheet

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Latin name: *Dianthus* hybrid.
Cultivar name: ‘Fuchsia Fire’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct plant
of *Dianthus* hybrid plant named ‘Fuchsia Fire’ characterized
by magenta pink flowers on short stems, above mat forming
and compact silvered foliage. The new *Dianthus* was the
result of an intentional cross by the inventors at a nursery, in
Hebron, Ill. in 2017. The selection of the new plant was due
to its’ magenta pink flowers on short stems, above mat
forming and compact silvered foliage, compared to the taller
stems and mounding foliage of the parent plants. Initial
asexual reproduction has taken place at a nursery in Hebron,
Ill. since 2018 by means of vegetative tip cuttings. The new
Dianthus has shown to be stable and identical in reproduc-
tion after rooting over 700 plants from 2018 to 2019.

No plants of the new *Dianthus* have been sold in this
country, or anywhere in the world, prior to the filing of this
application, nor has any disclosure of the new plant been
made prior to the filing of this application with the exception
of that which was disclosed by the inventor and his compa-
ny, Intrinsic Perennial Gardens, Inc within one year of
filing of this application and was derived directly from the
inventor.

SUMMARY OF THE INVENTION

The new *Dianthus* hybrid plant named ‘Fuchsia Fire’
characterized by magenta pink flowers on short stems, above
mat forming and compact silvered foliage, have been
observed to be unique and stable.

Plants of the new *Dianthus* hybrid plant named ‘Fuchsia
Fire’ can be compared to the female or seed parent *Dianthus*
gratianopolitanus ‘Firewitch’, not patented. 1. The new
Dianthus plant has flower stems measuring 12-15 cm long
compared to the stems of ‘Firewitch’ which measure 20 cm

or longer. 2. The new *Dianthus* also has smaller foliage on
shorter growing plants reaching only 7 cm tall while ‘Fire-
witch reaches 15-20 cm tall.

Plants of the new *Dianthus* can be compared to plants of
the male or pollen parent *Dianthus* ‘Paint the town Fuchsia’
patented, U.S. Plant Pat. No. 28,636. 1. The new *Dianthus*
plant has silvered foliage RHS color 147 B while *Dianthus*
‘Paint the town Fuchsia’ plant has a foliage color 137 B. 2.
The new *Dianthus* plant has flower colors RHS color N74 A
while *Dianthus* ‘Paint the town Fuchsia’ plant has flower
colors of N78 A. 3. The new *Dianthus* plant has a foliage
height of 7 cm and flower stems 10-12 cm in length while
Dianthus ‘Paint the town Fuchsia’ plant has a foliage height
of 12 cm and flower stems 20 cm in length.

Plants of the new *Dianthus* can be compared to plants of
Dianthus gratianopolitanus ‘Grandiflorus’ not patented. 1.
The new *Dianthus* plant has flower colors RHS color N74 A
while *Dianthus gratianopolitanus* ‘Grandiflorus’ plant has
bi-color pink flowers with a darker near red colored eye. 2.
The new *Dianthus* plant has flower stems 10-12 cm in length
while *Dianthus gratianopolitanus* ‘Grandiflorus’ plant has
flower stems 20 cm in length. 3. The new *Dianthus* plant has
flowers 28 mm in width while *Dianthus gratianopolitanus*
‘Grandiflorus’ plant has flowers nearly 40 mm in width.

DESCRIPTION OF PHOTOGRAPHS

Plants pictured in the drawing were grown for one year.
FIG. 1. Close up of the foliage.
FIG. 2. A picture of many plants blooming together.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to
The Royal Horticultural Society Colour Chart (2001). Plants
used for the description were grown for one year. Measure-
ments and numerical values represent averages of typical
plants.
Botanical classification: *Dianthus* hybrid plant named
‘Fuchsia Fire’.

Parentage: Female or seed parent *Dianthus gratianopolitanus* 'Firewitch', male or pollen parent *Dianthus* 'Paint the town Fuchsia' patented, U.S. Plant Pat. No. 28,636.

Propagation: Vegetative tip cutting propagation.

Plant description: Overall habit of the new *Dianthus* is mat forming clumps to 7 cm tall and 40 cm wide, with up to 15 cm stems topped by magenta pink flowers May through June.

Plant height.—Average 7 cm.

Plant width.—40 cm.

Growth habit.—Moderately vigorous.

Stems: Upright, terete, branching at alternate nodes, around 70 per plant.

Stem color.—138 B in spring, summer, and fall.

Stem shape.—Both typical and observed — round.

Stem texture.—Glabrous, glaucous.

Stem length.—3 cm, Stem diameter — 3 mm.

Stem branching.—Numerous, typically alternate from lower leaf axils, about 2-3 per main stem, branch length 5 cm at the time of flowering.

Nodes.—About 3-4 per stem.

Internode length.—5 mm.

Roots.—Fine, fibrous, color close to 159A.

Foliage:

Type.—Simple, linear, opposite, decussate, sessile, glabrous, glaucous on adaxial and abaxial sides.

Leaf division.—Simple.

Leaf attachment.—Sessile.

Shape.—Linear.

Petiole.—None.

Length.—4-5 cm.

Width.—2-3 mm.

Thickness.—3 mm.

Margin.—Entire.

Leaf apex, typical and observed.—Acute.

Leaf bases, typical and observed.—Decurrent.

Texture.—Glabrous and glaucous.

Leaf arrangement.—Opposite, crowded.

Leaf venation pattern.—None.

Leaf vein color.—None.

Adaxial leaf description.—Color is 137 B.

Abaxial leaf description.—Color is 147 B.

Fall foliage color.—None noticed.

Flower:

Type.—Terminal, cymose.

Aspect.—Upright.

Inflorescence type.—Perfect, single.

Inflorescence size.—28 mm across.

Flower number.—2 per stem, 140 per plant.

Flower longevity.—Five days.

Flower fragrance.—Medium, spice like.

Bloom period and duration.—Late spring; sporadically to early fall.

Blooming habit.—Solitary on up to 15 cm stems.

Petal count.—5.

Petal texture.—Glabrous.

Petal arrangement.—Rotate.

Petal shape.—Obovate.

Adaxial petal color.—N74 A.

Abaxial petal color.—N74 B.

Petal apex shape.—Obovate.

Petal bases, typical and observed.—Acute, 20 mm wide.

Petal length.—Up to 28 mm, Petal width — 14 mm.

Petal margin, typical and observed.—Dentate up to 3 mm deep a 2 mm wide.

Bud length, typical and observed.—2 cm.

Bud diameter, typical and observed.—5 mm.

Bud color, typical and observed.—N74 A.

Sepal size.—2 mm across, 6 mm tall, Sepal number — 5.

Sepal shape, typical and observed.—Lanceolate.

Sepal apex, typical and observed.—Acute.

Sepal base, typical and observed.—Acute.

Sepal margin, typical and observed.—Entire.

Sepal surface, typical and observed.—Smooth.

Sepal color, abaxial and adaxial typical and observed.—146 C.

Peduncle.—Glabrous, glaucous, terete.

Pedicle color, typical and observed.—Close to 138 B.

Pedicle length, typical and observed.—3 cm.

Pedicle diameter, typical and observed.—1 mm.

Pedicle color, typical and observed.—Close to 138 B.

Pedicle surface, typical and observed.—Glabrous, glabrous, terete.

Bracts.—Two pair, opposite, glaucous, glabrous, sessile, margin entire, broadly obtuse with acute apex; outer pair 3 mm long and 3 mm wide; inner pair 7 mm long and 3 mm wide.

Bract color.—Abaxial and adaxial typical and observed — 137 A and B.

Androecium.—Absent.

Stamens.—Absent.

Anthers.—Absent.

Pollen color.—Absent.

Gynoecium.—

Style.—Split in two above the ovary.

Pistil.—Glabrous abaxial and adaxial surface, curled in distal 4 mm.

Pistil length.—15 mm, shape — slender, 1 mm diameter, Color N155 B.

Stigma.—Glabrous, about 0.5 mm long and 0.5 mm wide. Color 79 C.

Ovary.—Superior, ellipsoid shaped, size — 8 mm long and 3 mm wide, Color close to 145 B and 150 D.

Fertility.—None observed.

Fruit.—Capsule, oblong ovoid with rounded base and acute apex, opening by 4 teeth, 3 mm long and 2 mm diameter, color 164 C.

Seed.—None observed.

Hardiness.—U.S.D.A. hardiness zones 5-10.

Disease resistance.—Resistance to diseases common to *Dianthus* has not been observed on plants grown under nursery conditions.

Pest resistance.—Resistance to pests common to *Dianthus* has not been observed on plants grown under nursery conditions.

We claim:

1. A new, distinct *Dianthus* plant as illustrated and described, characterized by magenta pink flowers on short stems, above mat forming and compact silvered foliage.

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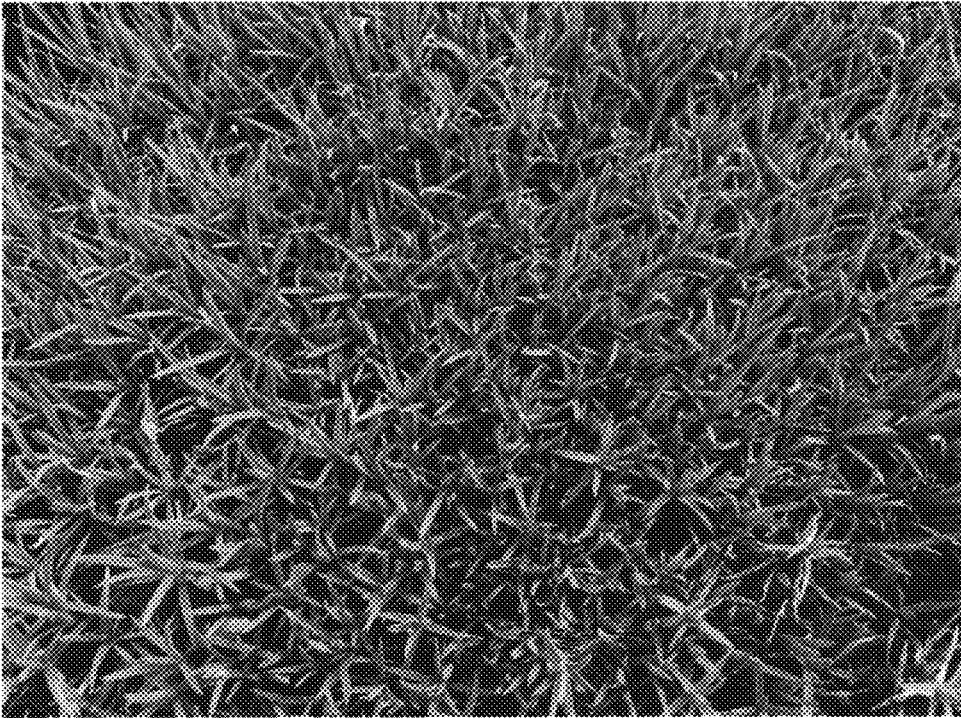


FIG. 1.

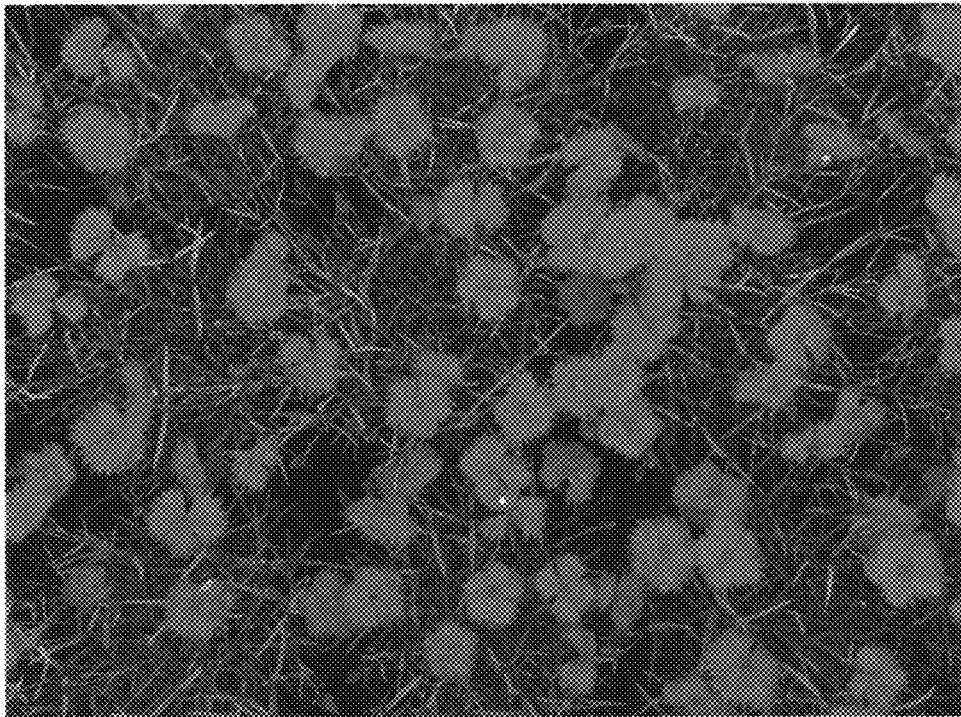


FIG. 2.