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

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(54) **VARIETY OF GERANIUM PLANT NAMED ‘PACTOMGI’**
(75) Inventor: **Christa Hofmann**, Grossdittmannsdorf (DE)
(73) Assignee: **Elsner Pac Jungpflanzen** (DE)
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(58) **Field of Search** **Plt./332**
Primary Examiner—Kent Bell
(74) *Attorney, Agent, or Firm*—Webb Ziesenheim Logsdon Orkin & Hanson, P.C.

(57) **ABSTRACT**
A new and distinct ivy geranium plant having burgundy colored flowers and leaves with heart-shaped zones as shown and described.

1 Drawing Sheet

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VARIETAL DENOMINATION

‘Pactomgi’.

BOTANICAL CLASSIFICATION

Pelargonium×*peltatum* (ivy geranium).

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of geranium known by the varietal name ‘Pactomgi’. The new variety was discovered following embryo rescue in a selective breeding program in Dresden, Germany. The new variety is the result of a combination breeding of unnamed, unpatented selections, from breeding group Peltatum dark (group 7S embryo rescue). Plants of the new variety exhibit trailing and the flower size of their heritage, but differ in their flower color and doubleness. The new variety was first asexually reproduced by cuttings in Dresden, Germany in 1999. The new variety has been trial and field tested and has been found to retain its distinctive characteristics and remain true to type through successive propagations.

DESCRIPTION OF THE DRAWING

The accompanying photographic drawing illustrates the new variety, with the color being as nearly true as is possible with color illustrations of this type.

DESCRIPTION OF THE PLANT

The following detailed description sets forth the characteristics of the new cultivar. The data which defines these characteristics were collected by asexual reproductions by cuttings carried out in Dresden, Germany. Plants described were about 9 months old. The color readings were taken indoors on plants grown in pots in greenhouses during summer. Color references are primarily to The R.H.S. Colour Chart of The Royal Horticultural Society of London.

PLANT

Form: Trailing.
Height from media surface to top of foliage: 12–15 cm.
Height from media surface to top of umbels: 20–23 cm.
Growth: Well-branched, hanging.
Roots: Adventive, 155D, 4 weeks to develop.

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Time to produce a flowering plant: 3 months.
Leaves: Opposite arrangement; heart-shaped zone.
Length.—3.5 cm.
Width.—7 cm.
5 Shape: Ivy-shaped.
Base.—Cordate.
Apex.—Pointed.
Margin.—Entire.
Texture.—Hairy.
10 Color.—Upper Surface: 137B with zone of 137A.
Lower Surface: 147B.
Rib and veins:
Venation.—Net-veined.
Color.—147C.
15 Petioles:
Color.—147B.
Length.—2–4 cm.
Stem/branches:
Color.—147B.
20 Overall stem length.—55–60 cm.
Internode length.—2.5–3 cm.
Lateral branch length.—45–50 cm.

THE BUD

25 When just beginning to open:
Shape.—Overall: Umbel-shaped. Individual bud:
Shell-shaped.
Color.—46B.
30 Size when just showing color.—Cluster: 4.5 cm in diameter. Individual bud: Length: 1.2 cm. Width: 0.8 cm.

INFLORESCENCE

35 Flowering: Continuous through summer until frost.
Borne: Umbel; flower on pedicel, pedicel on peduncle.
Umbel:
Width.—8–9 cm.
40 Depth.—4 cm.
Number of flowers per umbel 7–9.
Lastingness.—4–6 weeks.
Flowers:
45 Form.—Zygomorph, semi-double to double.
Size.—Diameter: 5–6 cm. Depth: 1.5 cm.

Petals.—Color: Upper surface: 53A. Lower surface: 46B. Quantity: 28, including petaloids. Size: Length: 2.1 cm. Width: 1.2 cm. Shape: Overall: Oval. Apex: Round. Base: Pointed. Margin: Entire. Texture: Velvety.

Petaloids:

Quantity.—13.
Shape.—Irregular.
Color.—Varies between 53A and 46B (both surfaces).

Sepals:

Shape.—Overall: Narrow, linear. Apex: Pointed. Base: Fused.
Color.—Upper Surface: 137D. Lower Surface: 137D.
Size.—Length: 1.4 cm. Width: 0.3 cm.

Pedicel:

Length.—3 cm.
Color.—137B.

Peduncle:

Length.—11 cm.
Color.—137D.

Disease/pest resistance: No susceptibility to diseases or pests noted to date.

REPRODUCTIVE ORGANS

Stamens:

Anthers.—2 mm long.

Filaments.—Length: 7 mm. Color: 59D.
Pollen.—28A.

Pistils:

Number.—One, five parted.
Length.—3 mm.
Stigma.—59A.
Style.—Length: 3 mm. Color: 60D.

Ovaries: Superior, hairy.

Length.—0.4–0.6 cm.
Color.—138D.

Fruit: If present, maximum 5 per flower, 0.4 cm long, 165A.

GENERAL CHARACTERISTICS

1. Velvet burgundy flower color.
2. High degree of doubleness.
3. Good branching.
4. Good rooting.
5. Heat tolerant.
6. Large flowers.
7. Heart-shaped zonation.

I claim:

1. A new and distinct variety of geranium plant substantially as shown and described.

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