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**Hofmann**

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(54) **VARIETY OF GERANIUM PLANT NAMED**  
**'PACTOMGIMEX'**

(51) **Int. Cl.<sup>7</sup>** ..... **A01H 5/00**

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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.

(57) **ABSTRACT**

A new and distinct ivy geranium plant having distinct  
bi-colored flowers of burgundy and white and leaves with  
heart-shaped zones.

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**1 Drawing Sheet**

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**VARIETAL DENOMINATION**

'Pactomgimex'.

**CLASSIFICATION**

*Pelargonium x peltatum* (ivy geranium).

**BACKGROUND OF THE INVENTION**

The present invention comprises a new and distinct cul-  
tivar of geranium known by the varietal name 'Pacto-  
mgimex'. The new variety was discovered following  
embryo rescue and grafting 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 7j embryo  
rescue). Plants of the new variety exhibit trailing like their  
heritage, but differ in having semi-double to double, two-  
colored flowers. The new variety was first asexually repro-  
duced by cuttings in Dresden, Germany in 2000. 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 charac-  
teristics 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 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.

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**Roots:** White, adventive, 4 weeks to develop.  
**Time to produce a flowering plant:** 3 months.  
**Leaves:** Opposite arrangement; heart-shaped zone.

*Length.*—3.5 cm.

*Width.*—7 cm.

**Shape:**

*Overall.*—Ivy-shaped. **Base:** Cordate. **Apex:** Pointed.

**Margin:** Entire.

**Texture:** Hairy.

**Color:**

*Upper surface.*—137B with zone of 137A.

*Lower surface.*—147B.

**Ribs and veins:**

*Venation.*—Net-veined.

**Color:**—147C.

**Petioles:**

*Color.*—147B.

*Length.*—2–4 cm.

**Stem/branches:**

*Color.*—147B.

*Overall stem length.*—55–60 cm.

*Internode length.*—2.5–3 cm.

*Lateral branch length.*—45–50 cm.

**THE BUD**

**When just beginning to open:**

**Shape:**

*Overall.*—Umbel-shaped.

*Individual bud.*—Shell-shaped.

**Color:** 46B.

**Size:**

*Cluster.*—4.5 cm in diameter.

*Individual bud.*—Length 1.2 cm. **Width:** 0.8 cm.

**INFLORESCENCE**

**Flowering:** Continuous through summer until frost.

**Borne:** Umbel; flower on pedicel, pedicel on peduncle.

**Umbel:**

*Width.*—8–9 cm.

*Depth.*—4 cm.

*Number of flowers per umbel.*—7–9.

*Lastingness.*—4–6 weeks.

Flowers:

*Form.*—Zygomorph, semi-double to double.

*Size.*—Diameter: 5–6 cm. Depth: 1.5 cm.

*Petals.*—Color: Upper surface: 53A at margin, 49D in middle. Lower surface: 46B at margin, 49D in middle. 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.*—53A to 46B and 49D (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. Bicolored flowers pattern of velvet burgundy and white.
2. Good branching.
3. High degree of doubleness.
4. Heat tolerant.
5. Large flowers.
6. Heart-shaped zonation.

I claim:

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

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