



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

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(54) **ECHEVERIA PLANT NAMED ‘ORION’**

(50) Latin Name: *Echeveria lilacina*×*E. pulidonis*
Varietal Denomination: **Orion**

(71) Applicant: **Gert Ubink**, Kudelstaart (NL)

(72) Inventor: **Gert Ubink**, Kudelstaart (NL)

(73) Assignee: **Handelskwekerij .Ubink B.V.**,
Kudelstaart (NL)

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patent is extended or adjusted under 35
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(52) **U.S. Cl.**
USPC **Plt./373**

(58) **Field of Classification Search**
USPC Plt./263.1, 373
See application file for complete search history.

Primary Examiner — Keith O. Robinson

(57) **ABSTRACT**

A new cultivar of *Echeveria* plant named ‘Orion’ that is
characterized by grey-green leaves with grey-red margins and
tips and a compact habit.

1 Drawing Sheet

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Botanical classification: *Echeveria lilacina*×*E. pulidonis*.
Variety denomination: ‘Orion’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Echeveria* plant botanically known as *Echeveria lilacina*×
E. pulidonis and hereinafter referred to by the cultivar name
‘Orion’.

‘Orion’ originated from the crossing of the female or seed
parent, an unnamed proprietary *Echeveria lilacina* cultivar,
and the male or pollen parent, an unnamed proprietary *Echev-*
eria pulidonis cultivar. The crossing was conducted in 2006 in
Kudelstaart, Netherlands. The resulting seeds were subse-
quently planted and grown. The cultivar ‘Orion’ was selected
by the inventor in 2008 in a controlled environment as a single
plant within the progeny of the stated cross in a cultivated area
of Kudelstaart, Netherlands.

Asexual reproduction of the new cultivar ‘Orion’ first
occurred by leaf cuttings in 2008 in Kudelstaart, Netherlands.
Since that time, under careful observation, the unique char-
acteristics of the new cultivar have been uniform, stable and
reproduced true to type in successive generations of asexual
reproduction.

SUMMARY OF THE INVENTION

The following represent the distinguishing characteristics
of the new *Echeveria* cultivar ‘Orion’. These traits in combi-
nation distinguish ‘Orion’ as a new and distinct cultivar apart
from other existing varieties of *Echeveria* known by the
inventor.

1. *Echeveria* ‘Orion’ exhibits grey-green leaves with grey-
red margins and tips.
2. *Echeveria* ‘Orion’ exhibits a compact habit.

The closest comparison cultivar is the co-pending applica-
tion cultivar *Echeveria* ‘Hercules’ (U.S. Plant patent applica-
tion Ser. No. 13/998,627). ‘Orion’ is distinguishable from
‘Hercules’ by the following characteristics:

1. *Echeveria* ‘Orion’ exhibits darker grey-green leaves than
the leaves of ‘Hercules’.

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2. *Echeveria* ‘Orion’ exhibits a leaf tip that is less red in
color than the leaf tip of ‘Hercules’.
3. *Echeveria* ‘Orion’ exhibits a larger overall plant size than
the plant size of ‘Hercules’.

‘Orion’ is distinguishable from the female parent plant, an
unnamed proprietary *Echeveria lilacina* cultivar, by the fol-
lowing characteristics:

1. *Echeveria* ‘Orion’ exhibits a more upright habit than the
habit of the female parent plant.
2. The leaves of ‘Orion’ are narrower than the leaves of the
female parent plant.
3. The leaves of ‘Orion’ have grey-red margins. The mar-
gins of the female parent plant are the same color as the
leaves.

‘Orion’ is distinguishable from the male parent plant, an
unnamed proprietary *Echeveria pulidonis* cultivar, by the fol-
lowing characteristics:

1. The leaves of ‘Orion’ are shorter than the leaves of the
male parent plant.
2. The leaves of ‘Orion’ have grey-red margins. The mar-
gins of the male parent plant are red.
3. The leaves of ‘Orion’ are grey-green in color. The leaves
of the male parent plant are green in color.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying photographs illustrate the distinguish-
ing traits of *Echeveria* ‘Orion’.

FIG. 1 shows an overall view of a 14 month old plant.

FIG. 2 shows an enlarged view of the leaves.

The photographs were taken using conventional tech-
niques and although colors may appear different from actual
colors due to light reflectance it is as accurate as possible by
conventional photographic techniques.

BOTANICAL DESCRIPTION OF THE PLANT

The following is a detailed description of the new *Echev-*
eria cultivar named ‘Orion’. Data was collected in Kudel-
staart, Netherlands from 14 month old plants grown in a glass
greenhouse in 10.5 cm. diameter containers. The time of year
was Autumn and the temperature range was 18-25 degrees

Centigrade during the day and 12-18 degrees Centigrade at night. The light level was natural light level. No photoperiodic treatments or growth retards were used. Color determinations are in accordance with The Royal Horticultural Society Colour Chart 2007 edition, except where general color terms of ordinary dictionary significance are used. The growing requirements are similar to the species. 'Orion' has not been tested under all possible conditions and phenotypic differences may be observed with variations in environmental, climatic, and cultural conditions, however, without any variance in genotype.

Botanical classification: *Echeveria lilacina* × *E. pulidonis* 'Orion'.

Annual or perennial: Perennial.

Parentage: 'Orion' is a hybrid of the female parent an unnamed proprietary *Echeveria lilacina* cultivar and the male parent an unnamed proprietary *Echeveria pulidonis* cultivar.

Plant type: Pot plant.

Plant shape: Basal rosette.

Suitable container size: 7 cm. pots or larger.

Plant height: 5.7 cm.

Plant width: 13.6 cm.

Vigor: Moderate.

Low temperature tolerance: 10° Centigrade.

High temperature tolerance: 40° Centigrade.

Propagation: Leaf cuttings.

Time to initiate roots (summer): 14 days at 20° C.

Time to initiate roots (winter): 21 days at 20° C.

Time to produce a rooted cutting (summer): 120 days at 20° C.

Time to produce a rooted cutting (winter): 150 days at 20° C.

Growth rate: Approximately 0.5 cm. per month.

Crop time: Approximately 5 months from July to November in Kudelstaart, Netherlands.

Root system: Fibrous.

Root color: N155.

Plant fragrance: Absent.

Foliage:

Leaf arrangement.—Basal rosette.

Compound or single.—Single.

Quantity of leaves per plant.—Average 75.

Leaf shape.—Oblanceolate, slightly carinate.

Leaf apex.—Acute.

Leaf base.—Broad cuneate.

Leaf dimensions.—5.3 cm. in length and 2.7 cm. in width.

Leaf thickness.—0.7 cm.

Texture.—Glabrous both surfaces, succulent.

Pubescence.—Absent.

Leaf margin.—Entire.

Venation pattern.—None visible.

Young leaf color (upper surface).—197A, base 136C, margins and tip 182C, upper surface covered by waxy layer 188A.

Young leaf color (lower surface).—191A with tinges of N77C, margins and tip 182D, lower surface covered by waxy layer 95D.

Mature leaf color (upper surface).—N200B, base 146C, margins and tip 182B, upper surface covered by waxy layer 188A.

Mature leaf color (lower surface).—197A, base 191A, margins and tip 182C, lower surface covered by waxy layer that varies between 95D and 188B.

Leaf attachment.—Sessile.

Flower: 'Orion' has not produced flowers to date.

Fruit and seed: 'Orion' has not produced fruit or seed to date.

Disease and pest resistance: Disease and pest resistance has not been observed.

The invention claimed is:

1. A new and distinct variety of *Echeveria* plant named 'Orion' as described and illustrated.

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FIG. 1

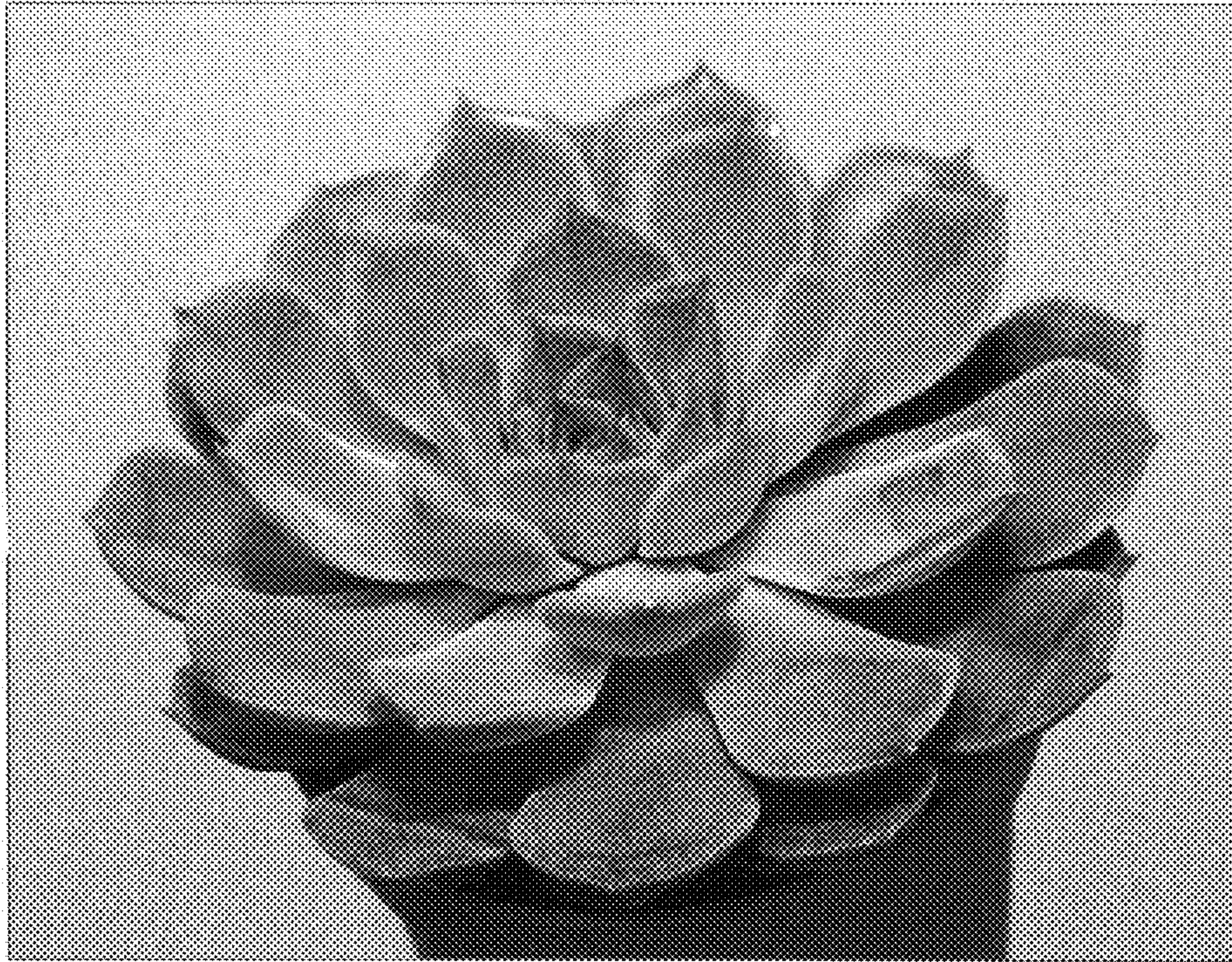


FIG. 2

