



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

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(54) ***ALOE*×*GASTERIA* PLANT NAMED ‘WT01’**

(50) Latin Name: ***Aloe*×*Gasteria* hybrid**
Varietal Denomination: **WT01**

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patent is extended or adjusted under 35
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(58) **Field of Classification Search** Plt./373
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Aloe*×*Gasteria* hybrid cultivar named
‘WT01’ is disclosed, characterized by durable foliage, resis-
tant to breakage and a faster growth habit than similar species.
The new variety is a *Aloe*×*Gasteria* hybrid, typically pro-
duced as an ornamental plant.

1 Drawing Sheet

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Latin name of the genus and species: *Aloe*×*Gasteria*
hybrid.

Variety denomination: ‘WT01’.

BACKGROUND OF THE INVENTION

The new cultivar was discovered as a seedling, resulting
from the planned crossing of an unnamed *Aloe* hybrid(unpat-
ented) as the seed parent and an, unnamed, unpatented *Gas-*
teria, nitida as the pollen parent ‘WT01’ was discovered by
the inventor, Wander Durk Tuinier, a citizen of the Nether-
lands, in a group of seedlings resulting from the aforemen-
tioned crossing. The new variety was discovered September
2007, in a commercial greenhouse in Swellendam, South
Africa.

Asexual reproduction of the new cultivar ‘WT01’ was first
performed in South Africa, in Swellendam at a commercial
laboratory by tissue culture in January 2008. ‘WT01’ has
since produced several generations and has shown that the
unique features of this cultivar are stable and reproduced true
to type.

SUMMARY OF THE INVENTION

The cultivar ‘WT01’ has not been observed under all pos-
sible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture, day length, 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 ‘WT01.’ These
characteristics in combination distinguish ‘WT01’ as a new
and distinct *Aloe*×*Gasteria* cultivar:

1. Strong, durable foliage, resistant to rot and breakage.
2. Fast, vigorous growth rate.

PARENTAL COMPARISON

Plants of the new cultivar ‘WT01’ are similar to plants of
the unnamed seed parent variety in most horticultural char-
acteristics. However, plants of the new cultivar ‘WT01’ pro-
duce foliage that is more resistant to rot and breakage. Addi-

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tionally, the new cultivar produces a much less regular rosette
type plant shape. The new cultivar has leaves that are close to
an opposite rosetting arrangement, as compared to the
whorled rosette of the seed parent.

Plants of the new cultivar ‘WT01’ are similar to plant of the
unknown *Gasteria* pollen parent in most horticultural char-
acteristics. However, plants of the new cultivar ‘WT01’ are
much faster growing than the pollen parent.

COMMERCIAL COMPARISON

Plants of ‘WT01’ can be compared to the known commer-
cial variety, *Aloe aristata*(unpatented). Differences are simi-
lar to those with the seed parent. ‘WT01’ produces stronger,
more durable foliage than *Aloe aristata*. Additionally, the new
cultivar exhibits a more opposite rosette leaf pattern than a
tightly held whorled rosette as seen in *Aloe aristata*.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

The accompanying photograph in FIG. 1 illustrates in full
color a typical plant of ‘WT01’ indoors in the Netherlands.
This plant is approximately 5 months old, shown in a 4 inch
pot. The photograph was taken using conventional techniques
and although colors may appear different from actual colors
due to light reflectance it is as accurate as possible by con-
ventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to
The R.H.S. Colour Chart, except where general terms of
ordinary dictionary significance are used. The following
observations and measurements describe ‘WT01’ plants in a
commercial greenhouse in Kimpen aan de IJssel, the Nether-
lands. Temperatures ranged from 20° C. to 22° C. night and
day. No artificial light, photoperiodic treatments or chemical
treatments were given to the plants. Measurements and
numerical values represent averages of typical plant types.
Botanical classification: *Aloe*×*Gasteria* hybrid ‘WT01.’
Age of the plant described: Approximately 5 months.

PROPAGATION

Time to initiate roots: Approximately 20 to 25 days at 21° C.
Root description: Fibrous.
Propagation method: Tissue culture.

PLANT

Growth habit: Compact succulent.
Container size: 4 inch.
Height: Approximately 4.5 cm.
Plant spread: Approximately 3.9 cm.
Growth rate: Moderate to slow, approximately 0.5 cm per month.
Branching characteristics: Non-branching, no stems or lateral branches. To date, only a single basal rosette of leaves has been observed.

FOLIAGE

Leaf:
Arrangement.—Rosulate, simple leaf.
Average quantity of leaves per rosette.—Approximately 10.
Average length.—Approximately 4.1 cm.
Widest width.—Approximately 2.2 cm.
Height/thickness.—Approximately 0.4 cm.
Shape of blade.—Subulate.
Apex.—Acuminate.
Base.—Broad cuneate.
Margin.—Finely serrate.
Texture of top surface.—Rough, dull, non-pubescent.
Texture of bottom surface.—Rough, dull, non-pubescent.
Color.—Young foliage upper side: Near RHS Green N137A, mid-section lighter; near Green 143C, base near Yellow-Green 145D. Leaf covered with axillary rows of small dots, colored near White N155C, dots very small, average width: 0.8 mm in diameter. Young

foliage under side: Near RHS Green N137A, mid-section lighter; near Green 143C, base near Yellow-Green 145D. Leaf covered with axillary rows of small dots, colored near White N155C, dots very small, average width: 0.8 mm in diameter. Mature foliage upper side: Near RHS Green N137A, lower half near Green-White; 157B Upper half of leaf covered with axillary rows of small dots, colored white, near N155C, dots very small, average width: 0.8 mm in diameter. Mature foliage under side: Near RHS Green N137A, mid-section near Yellow-Green 146D, base Green-White 157A. Leaf covered with axillary rows of small dots, colored white near N155C, dots very small, average width: 0.8 mm in diameter.

Venation.—Veination not visible.

Petiole.—No petiole.

Other characteristics: Foliage highly resistant to tearing or breaking due to mechanical stress. No stipules, tendrils, thorns, or spines present.

FLOWER

Bud production and flower production has not been observed to date.

REPRODUCTIVE ORGANS

Not observed due to lack of flower production.

OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to diseases or pests has been observed in this variety.
Drought tolerance and temperature tolerance: Drought tolerant succulent. Low temperature tolerance to at least USDA Zone 10. Tolerates high temperature to at least 45° C.
Fruit/seed production: Fruits and seeds have not been observed to date.
What is claimed is:
1. A new and distinct cultivar of *AloexGasteria* hybrid plant named ‘WT01’ as herein illustrated and described.

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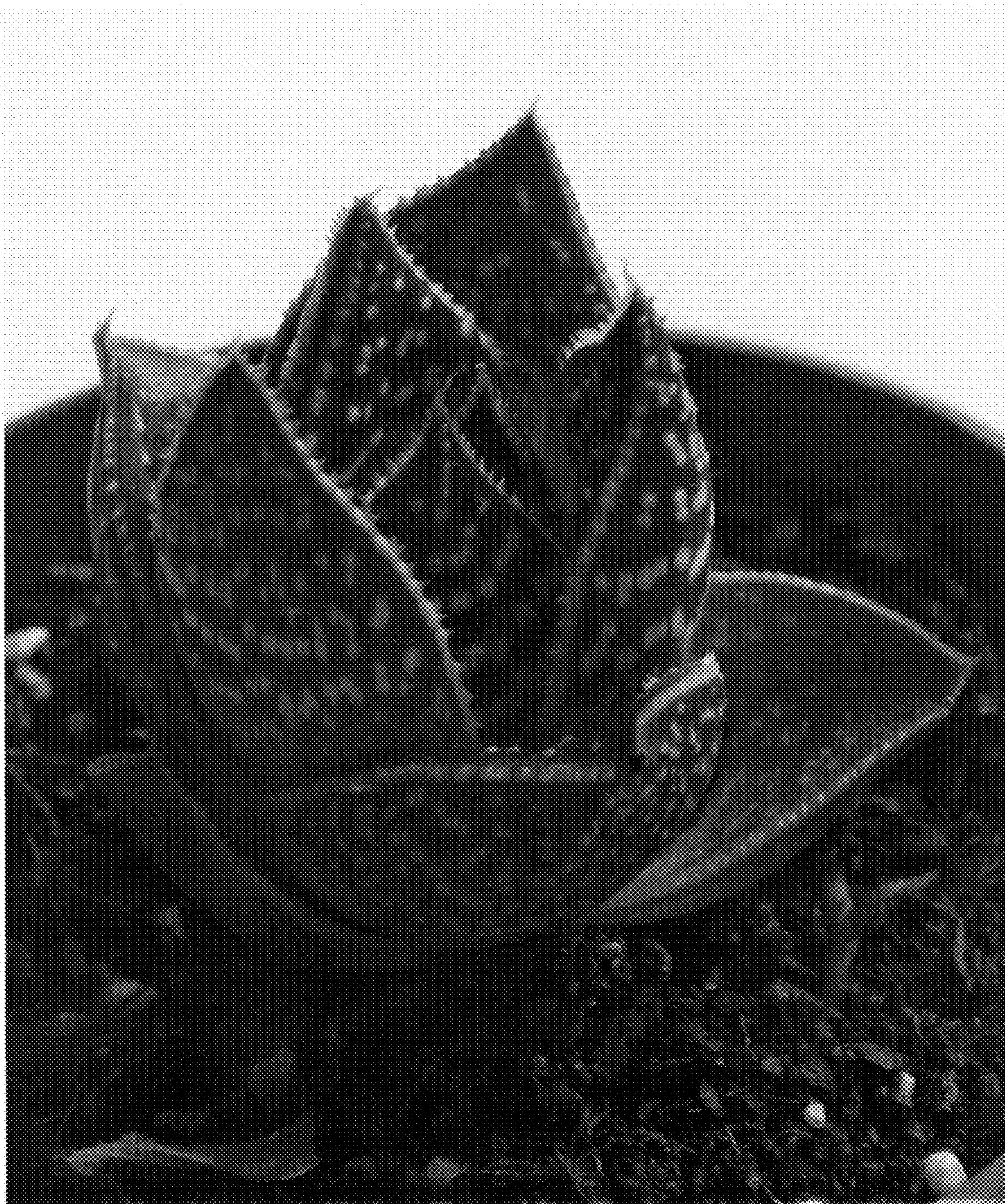


Fig. 1