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(12) **United States Plant Patent**
Zaias-Fast

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(54) **CHLOROPHYTUM PLANT NAMED ‘CH8104’**

(50) Latin Name: *Chlorophytum laxum*
Varietal Denomination: **CH8104**

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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 128 days.

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(22) Filed: **Nov. 20, 2012**

(65) **Prior Publication Data**

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(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./373**

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

Primary Examiner — Kent L Bell

(57) **ABSTRACT**

A new and distinct *Chlorophytum laxum* cultivar named
‘CH8104’ is disclosed, characterized very compact plant
habit, with arching foliage. Foliage is colored green with a
strong white margin and resists tearing and breakage. The
new cultivar is a *Chlorophytum laxum* suitable as an indoor
pot plant.

2 Drawing Sheets

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Latin name of the genus and species: *Chlorophytum laxum*.
Variety denomination: ‘CH8104’.

BACKGROUND OF THE INVENTION

The new cultivar is a chance, whole plant mutation selected
by the inventor, Magaly Zais-Fast, a citizen of the United
States, in 2002 at a commercial greenhouse located near
Apopka, Fla. ‘CH8104’ was found as a single, naturally
occurring, whole plant mutation growing in a commercial
planting of the parent variety, an unnamed variety of *Chloro-*
phytum laxum.

Asexual reproduction of the new cultivar ‘CH8104’ was
first performed by divisions at a non-commercial nursery in
Florida during 2002. The inventor kept the plants in a confi-
dential, restricted location, observing plant habit and stabili-
ty. These plants showed that the unique features of this cul-
tivar are stable and reproduced true to type. In August of 2012,
‘CH8104’ was reproduced by micro-propagation.

SUMMARY OF THE INVENTION

The cultivar ‘CH8104’ has not been observed under all
possible 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 ‘CH8104’.
These characteristics in combination distinguish ‘CH8104’ as
a new and distinct *Chlorophytum* cultivar:

1. Very compact plant habit.
2. Arching foliage habit.
3. Suitability as an indoor pot plant.
4. Strong foliage resistant to tearing and breakage.
5. Strong green coloration of the center of the leaf blade,
and thick white margin coloration.

PARENT COMPARISON

Plants of the new cultivar ‘CH8104’ are similar to plants of
the unpatented, unnamed, parent variety, *Chlorophytum*

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laxum in most horticultural characteristics, however, plants of
‘CH8104’ are much shorter and more compact than the parent
variety. Additionally the foliage of ‘CH8104’ has a thicker
white margin than the parent variety, and the plants of the
parent variety have been observed to flower, whereas the new
variety does not flower freely.

COMMERCIAL COMPARISON

‘CH8104’ can be compared to the patented commercial
variety *Chlorophytum laxum* ‘Lemon Lime’, unpatented.
Plants of ‘Lemon Lime’ are similar to plants of ‘CH8104’ in
most horticultural characteristics, however, plants of
‘CH8104’ is more compact, and do not produce flowers, as
plants of ‘Lemon Lime’ have been observed to produce.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph in FIG. 1 illustrates in full
color a typical plant of ‘CH8104’ grown in a greenhouse. This
plant is approximately 6 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 conven-
tional photographic techniques.

FIG. 2 illustrates in full color typical plants of the com-
parator variety, *Chlorophytum laxum* ‘Lemon Lime’, the par-
ent variety, an unnamed *Chlorophytum laxum* and the new
variety, ‘CH8104’. The plant on the farthest left of the photo
is *Chlorophytum laxum* ‘Lemon Lime’, the center plant is the
parent variety, an unnamed *Chlorophytum laxum*. The plant
on the farthest right of the photo is the new variety, ‘CH8104’.
Plants are all the same age, demonstrating the shorter, more
compact nature of the new variety.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to
The Royal Horticultural Society Colour Chart, 2001 except

where general terms of ordinary dictionary significance are used. The following observations and measurements describe ‘CH8104’ plants grown in a climate controlled greenhouse in Apopka, Fla. Temperatures ranged from 18° C. to 22° C. at night to 18° C. to 22° C. during the 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: *Chlorophytum laxum* cultivar ‘CH8104’.

PLANT

Growth habit: Tender indoor plant, with a mounding appearance.
Height: Approximately 17 cm.
Plant spread: Approximately 30 cm.
Normal pot size: 4 inch.
Growth rate: Moderate to slow.
Branching characteristics: Non-branching.
Number of leaves per plant: Approximately 110.
Age of plant described: Approximately 9 months.

FOLIAGE

Leaf:
Arrangement.—Rosette of single, sessile leaves.
Average length.—Approximately 17 cm.
Average width.—Approximately 1.8 cm.
Shape of blade.—Linear.
Aspect.—Heavily arched, very slightly undulating of youngest foliage.
Apex.—Acute.
Base.—Linear, very slightly tapered, ending directly in soil.
Margin.—Entire.
Texture of top surface.—Smooth, moderately glossy.

Texture of bottom surface.—Smooth, moderately glossy.
Color.—Young foliage upper side: Near R.H.S. Green 141B, margin and some interior stripes colored near Yellow-Green 154D. Young foliage under side: Near R.H.S. Green 141C, margin and some interior stripes colored near Yellow 2D. Mature foliage upper side: Near R.H.S. Green 137A, margin and some interior stripes colored near White 155D. Mature foliage under side: Near R.H.S. Green 137B, margin and some interior stripes colored near White 155D.
Venation.—Type: Pinnately parallel. Venation coloration: Indistinguishable from leaf blade coloration.
Other foliage characteristics.—Strong foliage resists tearing and breakage during transport and other potential mechanical damage.
Petiole: Not present.

INFLORESCENCE

Flowers not observed in this cultivar.

OTHER CHARACTERISTICS

Disease resistance: Neither resistance nor susceptibility to diseases or pests has been observed in this variety.
Drought tolerance and cold tolerance: Observed to tolerate temperatures to 40° C. without any negative effects. Temperature tolerance above this range has not been observed. Tolerance of cold temperatures has not been observed, as the variety has been only tested as an indoor ornamental potted plant.
Fruit/seed production: Not observed.

What is claimed is:
1. A new and distinct cultivar of *Chlorophytum laxum* plant named ‘CH8104’ as herein illustrated and described.

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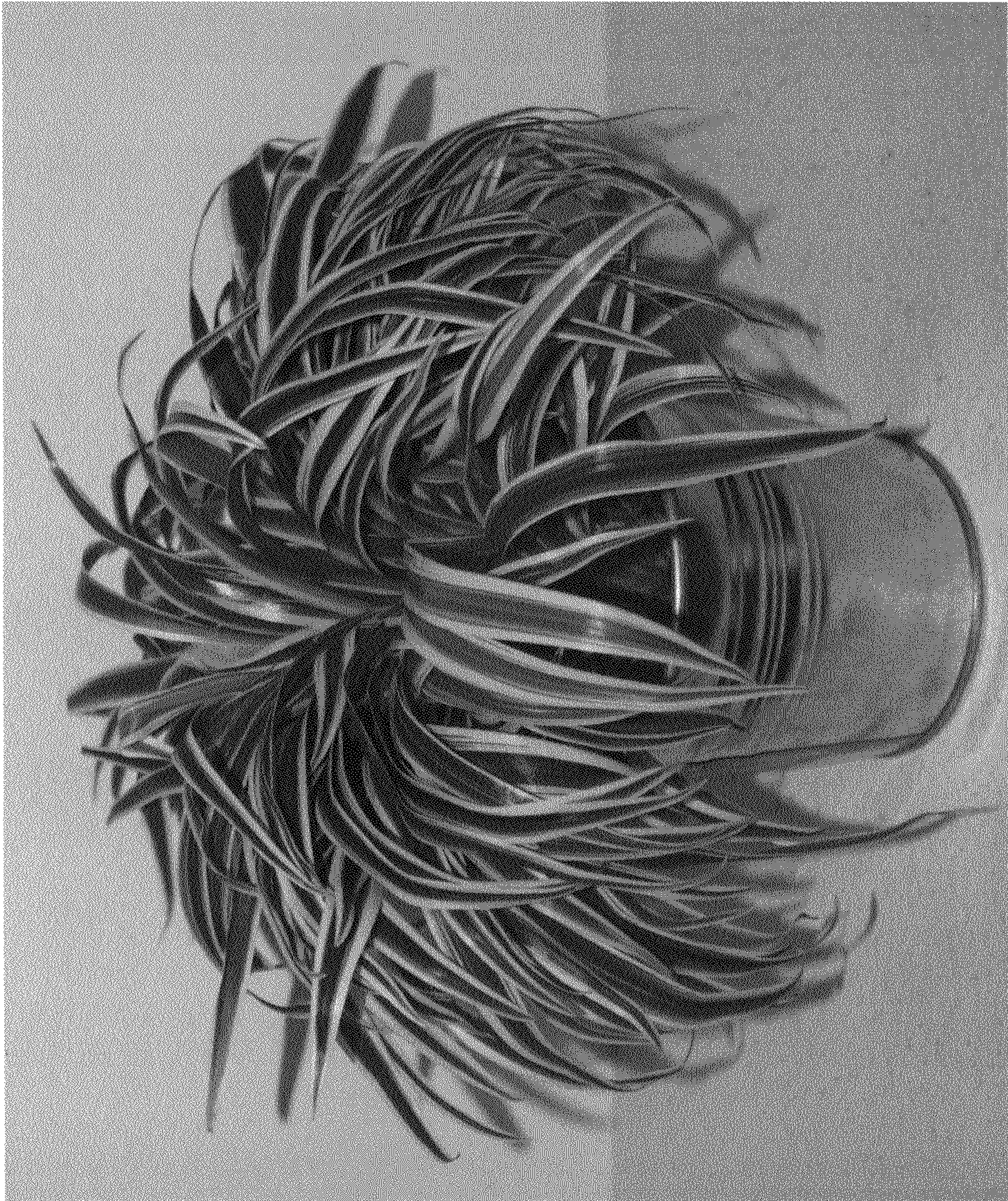


Fig. 1

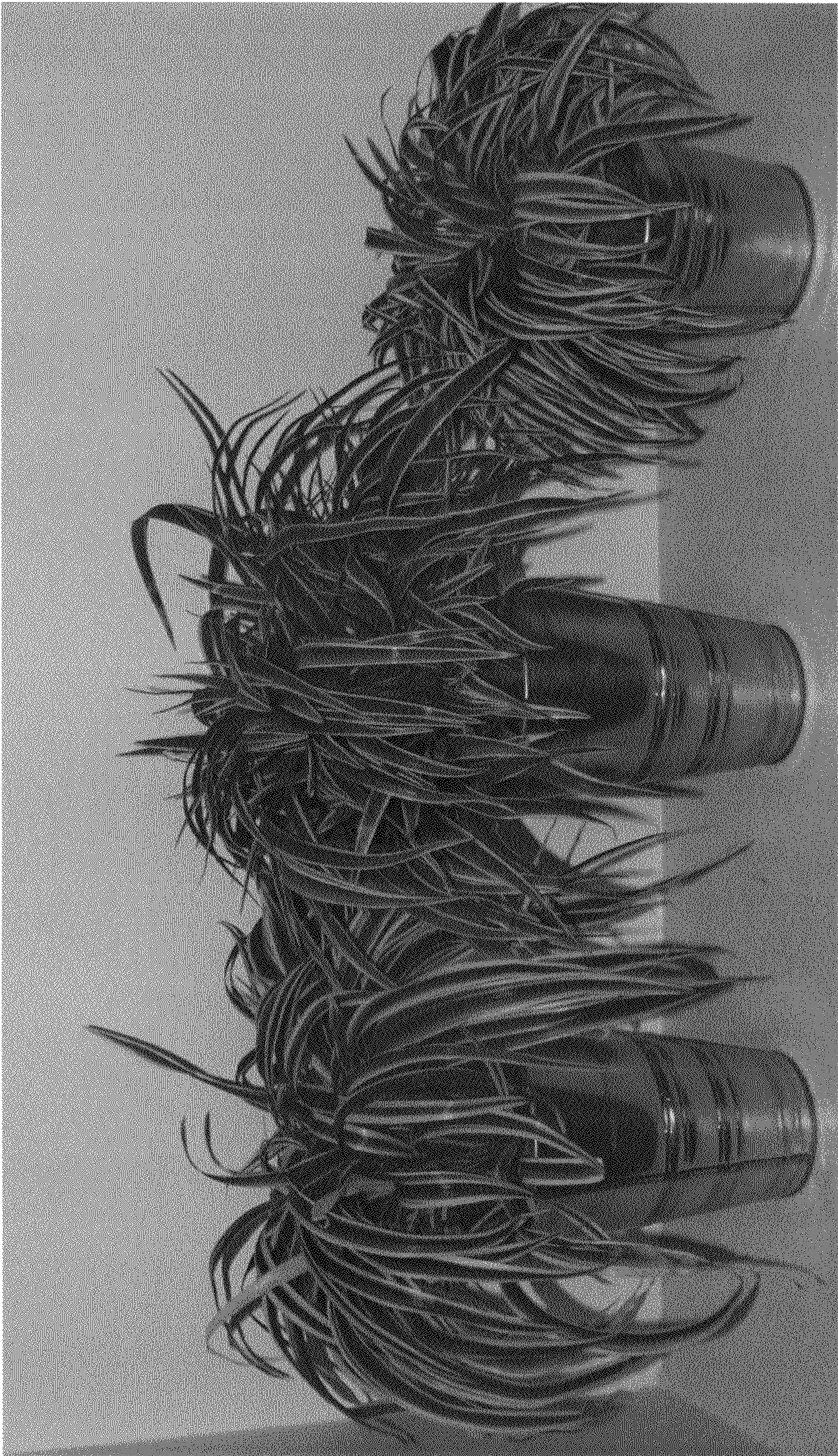


Fig. 2