



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

(10) **Patent No.:** **US PP23,008 P2**
(45) **Date of Patent:** **Sep. 4, 2012**

(54) **CHRYSANTHEMUM PLANT NAMED**
'CIDZ0002'

(50) Latin Name: *Chrysanthemum*×*morifolium*
Varietal Denomination: **CIDZ0002**

(75) Inventor: **Wendy R. Bergman**, Gilroy, CA (US)

(73) Assignee: **Syngenta Crop Protection AG**, Basel
(CH)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **13/136,636**

(22) Filed: **Aug. 5, 2011**

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

(52) **U.S. Cl.** **Plt./287**

(58) **Field of Classification Search** **Plt./287**
See application file for complete search history.

Primary Examiner — Kent L Bell

(74) *Attorney, Agent, or Firm* — Joshua L. Price

(57) **ABSTRACT**

A new *Chrysanthemum* plant named 'CIDZ0002' particu-
larly distinguished by the very large sized duplex-type inflo-
rescences, quill form-type greyed-purple distinct two-toned
ray florets, medium to dark foliage, very strong stems,
medium plant vigor and an eight week flowering response.

1 Drawing Sheet

1

Latin name of the genus and species of the plant claimed:
Chrysanthemum×*morifolium*.

Varietal denomination: 'CIDZ0002'.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new *Chrysanthemum*,
botanically known as *Chrysanthemum*×*morifolium*, and
hereinafter referred to by the variety name 'CIDZ0002'.

'CIDZ0002' is a product of a planned breeding program.
The new cultivar has very large sized duplex-type inflores-
cences, quill form-type greyed-purple distinct two-toned ray
florets, medium to dark foliage, very strong stems, medium
plant vigor and an eight week flowering response.

'CIDZ0002' originated from a hybridization made in
November 1999 in a controlled breeding environment in Sali-
nas, Calif., USA. The female parent was the proprietary plant
designated 'YB-6132', unpatented, with pink ray floret color,
decorative spoon-type inflorescences, and a taller more vig-
orous growth habit.

The male parent of 'CIDZ0002' was an unpatented, pro-
prietary plant identified as 'YB-6606' with bronze-red ray
floret color. The resultant seed was sown in July 2000 in Fort
Myers, Fla., USA.

'CIDZ0002' was selected as one flowering plant within the
progeny of the stated cross in November 2000 in a controlled
environment in Fort Myers, Fla., USA.

The first act of asexual reproduction of 'CIDZ0002' was
accomplished when vegetative cuttings were propagated
from the initial selection in March 2001 in a controlled envi-
ronment in Fort Myers, Fla., USA.

BRIEF SUMMARY OF INVENTION

Horticultural examination of plants grown from cuttings of
the plant initiated in March 2001, and continuing thereafter,
has demonstrated that the combination of characteristics as
herein disclosed for 'CIDZ0002' are firmly fixed and are

2

retained through successive generations of asexual reproduc-
tion.

'CIDZ0002' has not been observed under all possible envi-
ronmental conditions. The phenotype may vary significantly
with variations in environment such as temperature, light
intensity and day length.

A Plant Breeder's Right for this cultivar was applied for in
Canada on Aug. 17, 2010 (10-7060). 'CIDZ0002' has not
been made publicly available more than one year prior to the
filing of this application.

The following traits have been repeatedly observed and are
determined to be basic characteristics of the new variety. The
combination of these characteristics distinguishes this *Chry-
santhemum* as a new and distinct variety.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographic drawing shows typical
inflorescence and foliage characteristics of 'CIDZ0002' with
colors being as true as possible with an illustration of this
type.

The photographic drawing shows in FIG. 1 four flowering
potted plants of the new variety, and in FIG. 2 a close-up of the
inflorescence.

DETAILED BOTANICAL DESCRIPTION

The plant descriptions, measurements, and aforemen-
tioned photographs were taken in Gilroy, Calif. in early May
2011 under natural light. These plants were propagated and
grown in Nipomo, Calif. and shipped to Gilroy, Calif. for the
data collection and photographs. These plants were approxi-
mately 11 weeks of age; grown as four plants together in a six
inch pot under greenhouse trial conditions.

Color references are made to The Royal Horticultural Soci-
ety Colour Chart (R.H.S.) 2001.

TABLE 1

DIFFERENCES BETWEEN THE NEW VARIETY 'CIDZ0002' AND A SIMILAR VARIETY		
	'CIDZ0002'	'Yowinnipeg' (U.S. Plant Pat. No. 16,638)
Inflorescence diameter:	Larger	Smaller
Quantity of ray florets:	Fewer	More
Ray floret color:	More greyed-purple	More red-purple

Plant:
Form, growth and habit.—Herbaceous pot-type, stems upright and strong, medium vigor.
Plant height.—18.0 cm.
Plant height (inflorescence included).—24-26.0 cm.
Plant width.—12-24.0 cm.

Roots:
Number of days to initiate roots.—About 4 days at about 22 degrees C.
Number of days to produce a rooted cutting.—About 10-12 days at 22 degrees C.
Type.—Fine, fibrous, free branching.
Color.—RHS N155B but whiter.

Foliage:
Arrangement.—Alternate, simple.
Immature, leaf color, upper surface.—Closest to RHS 139A.
Lower surface.—RHS 137B.
Mature, leaf color, upper surface.—Closest to RHS 139A with some slightly lighter blotching.
Lower surface.—RHS 137B.
Length.—10-11.5 cm.
Width.—7.7-8.3 cm.
Shape.—Ovate.
Base shape.—Attenuate.
Apex shape.—Mucronulate.
Margin.—Deeply palmately lobed; irregularly serrate.
Texture, upper surface.—Bifid T-shaped hairs.
Lower surface.—Bifid T-shaped hairs.
Color of veins, upper surface.—RHS 144A.
Color of veins, lower surface.—RHS 144A.
Petiole color.—RHS 144A.
Length.—4.0-4.5 cm.
Diameter.—2-3 cm.
Texture.—Bifid T-shaped hairs.

Stem:
Quantity of main branches per plant.—2-4.
Color of stem.—RHS C137C but appears lighter due to hairs.
Length of stem.—14-17.0 cm.
Diameter.—5-8.0 cm.
Length of internodes.—1.5-3.0 cm.
Texture.—Bifid T-shaped hairs.
Color of peduncle.—RHS 137C but appears lighter due to hairs.
Length of peduncle.—About 5.0 cm.
Peduncle diameter.—3-4.0 cm.
Texture.—Bifid T-shaped hairs.

Inflorescence:
Type.—Compositae type, solitary inflorescences duplex-type, borne terminally above foliage, ray florets arranged acropetally on a capitulum.
Quantity of short days to flowering (response time): About 8 weeks.
Quantity of inflorescences per plant.—2-5.

Lastingness of individual blooms on the plant.—About 4 weeks.
Fragrance.—Slightly spicy.

Bud (just before opening/showing color):
Color.—Closest to RHS 186B.
Length.—1.4-1.7 cm.
Width.—1.3-1.4 cm.
Shape.—Oblate.

Immature inflorescence:
Diameter.—6-7 cm.
Color of ray florets, upper surface.—Between RHS 187C and RHS 187D.
Lower surface.—Closest to RHS 186B but darker.

Mature inflorescence:
Diameter.—16-18.0 cm.
Depth.—2.0 cm.
Total diameter of 'disc'.—2.0-2.3 cm.
Receptacle height.—0.7-0.8 cm.
Receptacle diameter.—1.0-1.1 cm.

Ray florets:
Average quantity of florets.—Approximately 100 in several whorls.
Color of florets, upper surface.—Between RHS 187C and RHS 187D.
Lower surface.—Closest to RHS 186B but darker.
Length.—4.5-8.5 cm.
Width.—0.35-0.5 cm.
Shape.—Quill.
Apex shape.—Irregularly emarginate.
Margin.—Entire; but mostly fused to form the quill.
Texture, upper surface.—Papillose.
Lower surface.—Glabrous or papillose.

Petaloids:
Quantity.—About 10.
Length.—2.0-3.0 cm.
Width.—0.2-0.3 cm.
Color.—Between RHS 187C and RHS 187D.

Disc florets:
Average quantity of florets.—Approximately 100.
Color of florets.—Closest to RHS 6C maturing to about RHS 13A.
Length.—0.3-0.4 cm.
Width.—0.1 cm.
Shape.—Tubular, elongated.
Apex shape.—Acute, 5 pointed.

Phyllaries:
Quantity.—30-35.
Color, upper surface.—RHS 138A.
Lower surface.—RHS N138C.
Length.—0.7-1.4 cm.
Width.—0.3-0.4 cm.
Shape.—Lanceolate.
Apex shape.—Acute.
Base.—Fused.
Margins.—Entire; papery.
Texture, upper surface.—Glabrous.
Lower surface.—Bifid T-shaped hairs.

Reproductive organs:
Pistil.—1.
Found on both florets.—Yes.
Length.—0.8-0.9 cm.
Style color.—RHS 1B but greener.
Style length.—0.7 cm.
Stigma color.—RHS 7B.
Stigma shape.—Bi-parted.

Ovary color.—Not observed.
Stamens.—4.
Found on only disc florets.—Yes.
Color of filaments.—RHS 1C.
Length filaments.—0.4 cm.
Anther color.—RHS 14C.
Anther length.—0.15-0.2 cm.
Anther shape.—Oblong.
Color of pollen.—RHS 17C.
Pollen amount.—Abundant.

Fertility/seed set.—Has not been observed on this hybrid.

Disease/pest resistance.—Has not been observed on this hybrid.

5 What is claimed is:

1. A new and distinct variety of *Chrysanthemum* plant named 'CIDZ0002' substantially as illustrated and described herein.

10

* * * * *

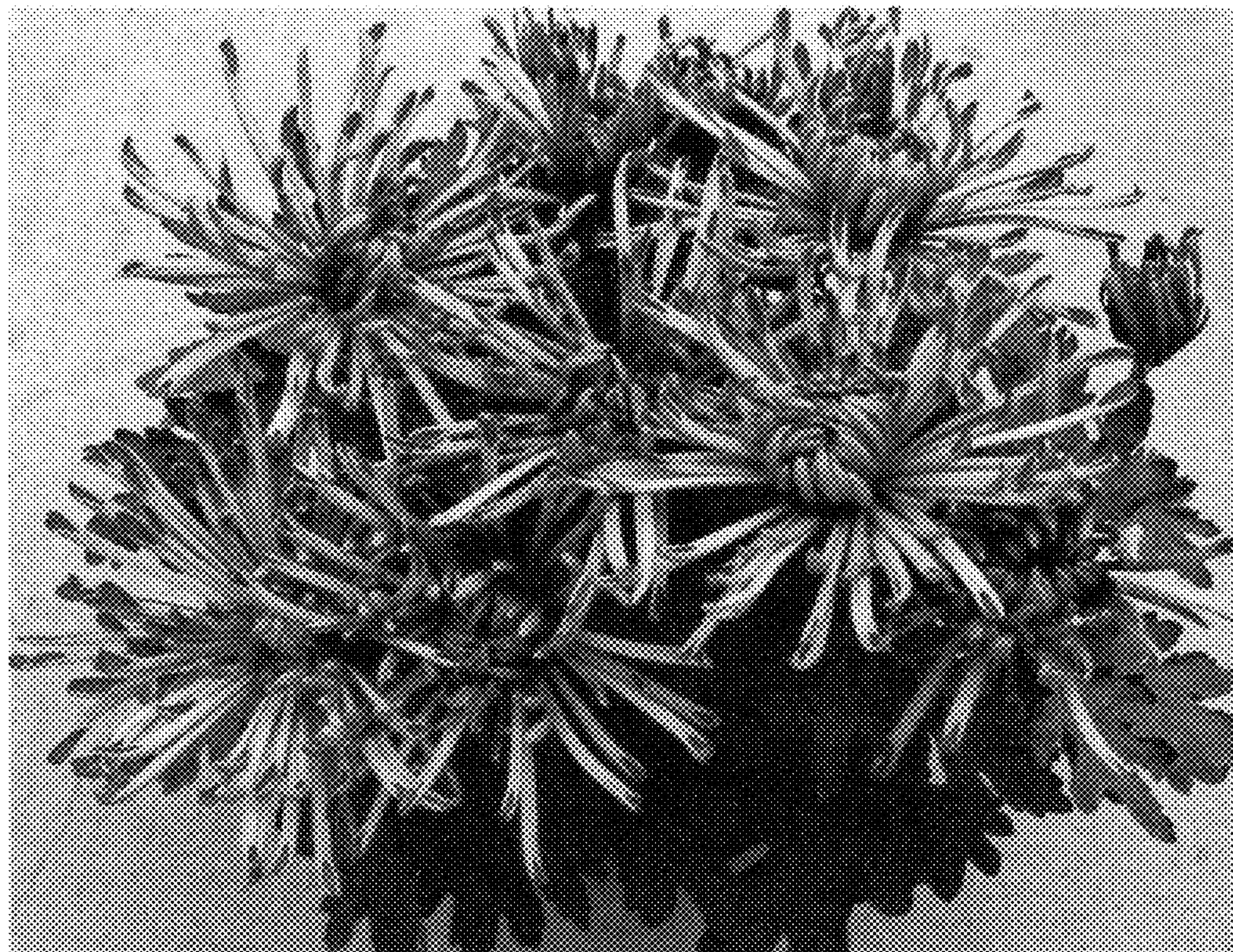


Fig. 1.

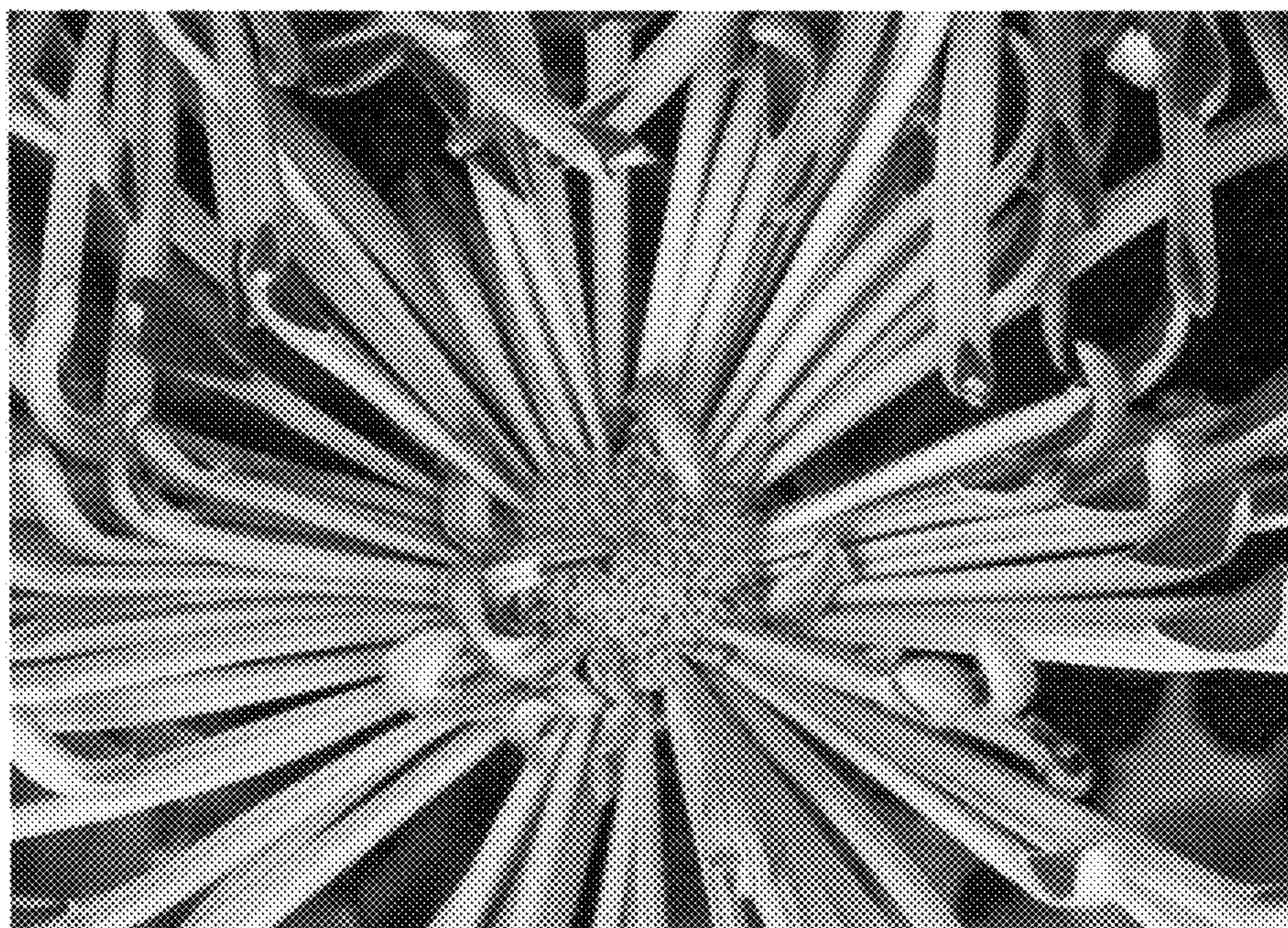


Fig. 2.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

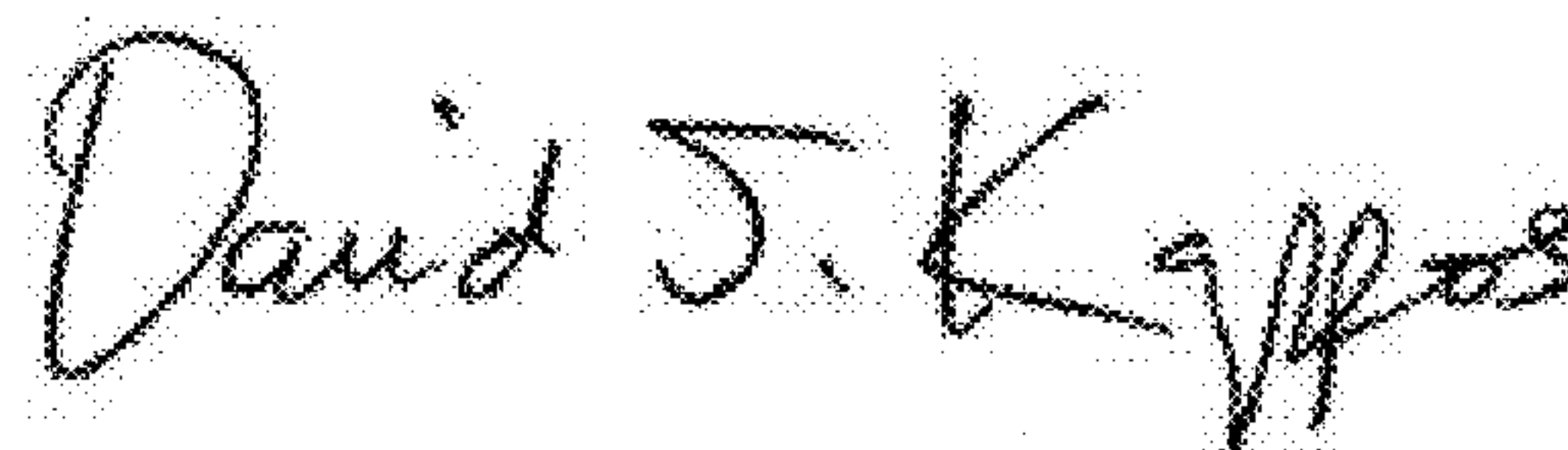
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INVENTOR(S) : Bergman

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 3, line 49, delete "RHS C137C" and insert therefor --RHS 137C--

Signed and Sealed this
Ninth Day of October, 2012

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D" and a stylized "K".

David J. Kappos
Director of the United States Patent and Trademark Office