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Attorney Docket No. 021100

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Submission type: XX New Resubmission (Non-Recordation)Document ID #: Correction of PTO ErrorReel # Frame # Corrective DocumentReel # Frame #

11.15.02

Conveyance type: XX Assignment Security Agreement License Change of name Merger Other

Conveying Party (ies): (Last, First, Middle Initial)

Execution Date

First party Name: UMEDA, Katsumi

August 20, 2002

Second party Name: UCHIYAMA, Takaaki

August 20, 2002

Third party Name: EZAKI, Kenichi

August 20, 2002

Additional name(s) of conveying party(ies) attached? Yes No XX

Receiving Party (ies):

First party Name: SANYO ELECTRIC CO., LTD.

Address: 5-5, Keinhanhondori 2-chome, Moriguchi-shi, Osaka, Japan

Second party Name: SANYO ELECTRONIC COMPONENTS CO., LTD.

Address: 1-1, Sanyocho, Daito-shi, Osaka, Japan

Additional name(s) & address(es) attached? Yes No XX

Domestic Representative Name and Address



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PATENT
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Pages Enter the total number of pages of the attached conveyance document: 1
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Application Number(s) or Patent Number(s) Additional numbers attached? Yes ☐ No ☒
A. Patent Application No.(s) B. Patent No.(s)

10/230,397

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: _____
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)Enter PCT application number only if

a U.S. Application Number has not been assigned

PCT _____

PCT _____

PCT _____

Number of Properties Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

XX Enclosed____ Authorized to be charged to Deposit Account No.: 01-2340**Statement and signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William L. Brooks
Name of Person Signing

William L. Brooks
Signature

November 15, 2002
Date

34,129
Registration No.

Rev. 11/00
WLB:jaz

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by
SANYO ELECTRIC CO., LTD.

(Insert ASSIGNEE's
Name(s) Address(es))

5 - 5, Keihanhondori 2 - chome, Moriguchi - shi, Osaka, Japan

SANYO ELECTRONIC COMPONENTS CO., LTD. 1 - 1, Sanyocho, Daito - shi, Osaka, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned
ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title
and interest to the invention entitled

(Title of Invention)

DIELECTRIC FILTER DEVICE

(*If the assignment is
being filed after the
filing of the
application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith
unless otherwise indicated below:

filed on August 29, 2002 Serial No. 10/230,397

(Armstrong, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial
number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any
continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for
which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and
any continuation, divisional, reissue or reexamination applications thereof and also to execute
separate assignments in connection with such applications as the ASSIGNEE may deem necessary
or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference,
litigation, or other legal proceeding which may be declared concerning this application or any
continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued
thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing
evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their
signature(s).

(Signatures)

Katsumi Umeda
(Signature)

Katsumi Umeda
(Type Name)

20. Aug. 2002
(Date)

Takaaki Uchiyama
(Signature)

Takaaki Uchiyama
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NO LEGALIZATION REQUIRED