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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kunihiro KAWAI	02/20/2008
Hiroshi OKAZAKI	02/20/2008
Shoichi NARAHASHI	02/20/2008

RECEIVING PARTY DATA

Name:	NTT DoCoMo, Inc.	
Street Address:	11-1, Nagatacho 2-chome, Chiyoda-ku	
City:	Tokyo	
State/Country:	tate/Country: JAPAN	
Postal Code: 100-6150		

PROPERTY NUMBERS Total: 1

Property Type Number	
Application Number:	12035035

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Total Attachments: 2

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PATENT

REEL: 020843 FRAME: 0735

500521066

Assignment of Application (出願譲渡証)

	私 (我々)	WHEREAS, I (WI	Ε)			
NSERT NAMES AND Kunihiro KAWAI of Yokohama-shi, Kanagawa, Japan						
RESIDENCE ADDRESS OF	Hiroshi OKAZAKI of Zushi-shi, Kanagawa, Japan and					
HE INVENTORS		′okohama-shi, Kanagawa, Japar	1			
発明者の氏名及び住所						
仓配入						
	は下記における新しい有用な改	良を発 respectively,	have invented certain new and			
	明し、	useful improve	ements in:			
NSERT TITLE OF	VARIABLE RESONATOR, TUN	ABLE FILTER, AND ELEC	CTRIC CIRCUIT DEVICE			
NVENTION						
発明の名称を記入						
	(Application No.	, filed),			
	—————————————————————————————————————	and \\\(\)	6			
	·- /J.	and WHEREA	λ5,			
	NTT DoCoMo, Inc.					
	 (以下「譲受人」) は、	(hereinafter ref	erred to as "ASSIGNEE") having			
		a place of busin	· •			
	11-1 Nagatacha 2-a	•				
		home, Chiyoda—ku, Tokyo				
	- に営業所を有し、該発明につい	ュて、及び is desirous of	acquiring the entire right, title and			

に営業所を有し、該発明について、及び 合衆国及びその領土及びあらゆる全ての 外国において付与されたあらゆる特許証 について、全ての権利、権原、及び利益 を取得することを希望し、

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

PATENT REEL: 020843 FRAME: 0736 私(我々)は、ここに、この譲渡及び売 却がなされなかったならば私(我々)に なり保持されたであろう場合と同様に完 全且つ全体的に、付与され得る存続期間 の完全な最後まで、該選受人、る専用証を の)承継人及び非譲ゆる全ての特の をしての私のである全での がながれたがある全での があいたがである全での がある全での を利益のために、 がいる全での がいるの をしての を利益の をしての をしての

更に、私(我々)は私(我々)が知る該 発明に関するあらゆる事実を該譲受人又 はその(彼の)代理人に伝え、あらゆる 法的手続きにおいて証言し、法の認めた 書面に署名し、全ての分割、継続、差し 替え、更新、及び再発行出願に署名し、 全ての必要な譲渡書類に署名することで 該特許証のあらゆるもの全てが該譲受人 に発行されるようにし、正当な全ての誓 約をし、更に該譲受人、その(彼の)承 継人及び非譲渡者が合衆国及びその領土 及びあらゆる全ての外国において該発明 について適切な保護を取得し及び行使す ることを援助するために一般に可能なこ とを全て行うことを、私(我々)は同意 する。

RECORDED: 04/23/2008

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries

Date:	Feb. 20, 2008	Runiha Hawai Signature of Inventor) 発明者署名 Kumihira KAMAI
日付 Date:	Feb. 20, 2008	Signature of Inventor) 発明者署名 Kunihiro KAWAI
Date. 日付	100.20, 2008	Signature of Inventor) 発明者署名 Hiroshi OKAZAKI
Date:	Feb. 20, 2008	Dunik Nambi
日付		Signature of Inventor) ^{発明者署名} Shoichi NARAHASHI
Date:		
日付		Signature of Inventor) 発明者署名
Date:		
日付		Signature of Inventor) 発明者署名

PATENT REEL: 020843 FRAME: 0737