

CAVELIER

ABOGADOS

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cavelier@cavelier.com

EDIFICIO SISKI
CARRERA 4 No. 72 - 35
BOGOTA 8, COLOM

Teléfono: (57-1) 347 3611
Telefax: (57-1) 211 8650
(57-1) 540 0860

Señora Jefe de la
DIVISION DE NUEVAS CREACIONES
Superintendencia de Industria y Comerc
E. S. D.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 08-023598- -00002-0000

Fecha: 2008-07-22 16:27:05 Dep. 2020 NUECREACIONE
Tra. 11 PATENTEIYII Eve: 379 FASENACIONALII
Act. 444 RESPUESTAREQUE Folios: 32

Trámite : 011 Evento : 379 Actuación : 444

Referencia : Expediente No. 08023598
Asunto : Solicitud de patente para APARATO Y METODO
PARA REMOVER RUIDO AMBIENTAL Y TERMINAL MOVIL
DE COMUNICACION EQUIPADO CON EL APARATO
Solicitante : PISHON ANC CO., LTD.

CONTESTACION OFICIO No. 6726

1. Yo, Emilio FERRERO, en mi condición de apoderado de la sociedad solicitante, PISHON ANC CO., LTD., doy contestación al requerimiento efectuado por este Despacho mediante Oficio No. 6726 notificado por fijación en lista el 23 de mayo de 2008, para lo cual presento los siguientes documentos:

1.1. Copia del Reporte de Examen preliminar Internacional de patentabilidad el cual no contiene anexos toda vez que las reivindicaciones no fueron modificadas en el trámite de la fase internacional.

1.2. Un (1) documento en que consta la cesión del derecho a la patente efectuado por el inventor en favor de la sociedad PISHON ANC CO., LTD.

Se presenta este documento en original, el cual fue debidamente suscrito, notariado y legalizado por Apostille, junto con su correspondiente traducción oficial al español.

1.3. Poder otorgado por la sociedad PISHON ANC CO., LTD. Junto con el respectivo documento que acredita la existencia y representación legal de la compañía.

Se presenta este documento en Fotocopia auténtica del original el cual fue debidamente notariado y legalizado, junto con su correspondiente traducción oficial al español.

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2. De acuerdo con lo anterior, comedidamente solicito a Usted proseguir con el trámite de este asunto y ordenar la publicación de la solicitud de la patente identificada en la referencia.

Señora Jefe,



EMILIO FERRERO

T.P.A. No. 31.929

COLO-16396-841-001-5

0✓ SCT\SCT\ID-130866\WPC16396

No. M-2008-130866\SCT

1380 77

[제41호 서식]

전화:3404-0000(대표)

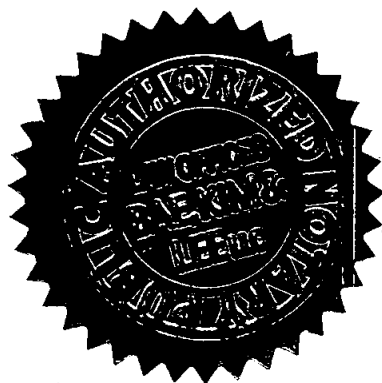
공증:3404-0401

Registered No. 1010 of 2008

NOTARIAL CERTIFICATE

Law Offices Of **BAE, KIM & LEE LLC**

647-15 Yoksam-dong, Gangnam-gu, Seoul, Korea



CAVELIER

ABOGADOS

EDIFICIO SISKI
CARRERA 4a N° 72-35
BOGOTA, 8 - COLOMBIA

374

CESION

Yo, (nosotros) abajo firmado (s)

domiciliado(s) en

declaro(amos) bajo juramento ser único(s) y verdadero(s)
inventor(es)

declaro(amos) así mismo que cedo(emos) y transfiero(erimos),
sin

mitación, a favor de la sociedad

constituida y existente de conformidad con las leyes de

domiciliada en

todos los derechos inherentes a dicha invención y que la citada
Compañía queda facultada para solicitar en su nombre la
patente de invención correspondiente en la República de
Colombia.

ASSIGNMENT

I (we), the undersigned

Hyun-kook AHN

of

203 Suji Villa, 126-127 Sangdo-5-dong, Dong-jak-
gu, Seoul 156-095, Republic of Korea

state(s) under oath to be sole and true inventor(s) of the invention:

APPARATUS AND METHOD FOR REMOVING
AMBIENT NOISE AND MOBILE
COMMUNICATION TERMINAL EQUIPPED WITH
THE APPARATUS

state as well, that assign, without reservations or limitations in
favour

of

PISHON ANC CO., LTD.

a corporation constituted and existing in conformity with the laws of

Republic of Korea

domiciled in

2f. Muller Bldg., 403-1 Daebang-dong, Dongjak-gu, Seoul
156-811, Republic of Korea

all rights inherent to said invention and that the above mentioned
company hereby is enabled to apply, in its name, for the
corresponding patent invention, in the Republic of Colombia

Dado y firmado hoy/Given and signed this

en/in 203, Suji Villa, 126-127 Sangdo-5-dong
Dong-jak-gu, Seoul 156-095, R.O. KOREA

por/by

Firma/Signature

AHN HYUN KOOK

CERTIFICACIÓN NOTARIAL (INDIVIDUO)

A los _____ días del mes
de _____ de

200 ____ Ante mí, Notario Público de

compareció(eron)
personalmente

a quien(es) doy fe de conocer y me consta que es(son) la(s)
persona(s) firmante(s) del documento que precede, y
quien(es) tiene(n) capacidad legal para otorgarlo

NOTARIAL CERTIFICATION (INDIVIDUAL)

On this _____ day of _____

200 ____ before me, a Notary Public of

personally
appeared

Hyun-kook AHN

to me known, and known to me to be the person(s) who
executed that foregoing document, and who has(have) legal
capacity to execute it.

NOTARIO PÚBLICO-NOTARY
PUBLIC

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country:
This public document
2. has been signed by
3. acting in the capacity of
4. bears the seal/stamp of

Certified

5. at 6. the
7. by
8. No.
9. Seal/stamp 10. Signature

.....

등부 2008 년 제 1010 호

Registered NO.1010 of 2008
Notarial Certificate

인 증

Min Hye, Kim
attorney-in-fact of
AHN HYUN KOOK

위 양도증 에 기재된
(촉탁인) 안현국의 대리인 김민혜은(는)

본직의 면전에서 위 본인이
서명한 것임을 확인하였다.

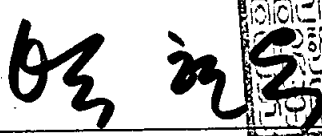
appeared before me and
admitted said principal's
subscription(s) to the attached
ASSIGNMENT

2008 년 04 월 01 일
이 사무소에서 위 인증한다.

This is hereby attested on this
01st day of APR., 2008
at this office

공증인가
법무법인(유) **태평양**
서울특별시 강남구 역삼동 647-15

Law Offices of BAE, KIM & LEE LLC
647-15, Yoksam-Dong
Gangnam-gu, Seoul, Korea




공증담당 변호사


HYUN WOOK PARK
Attorney-at-Law

This office has been authorized
by the Minister of Justice, the
Republic of Korea, to act as
Notary Public since Oct. 9,
1998 under Law No. 3594

6

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country : Republic of Korea

This public document

2. has been signed by PARK HYUN WOOK

3. acting in the capacity of

4. bears the seal / stamp of Bae, Kim Lee Notary Public Office

Certified

5. at Seoul

6. 04/04/2008

7. by The Ministry of Foreign Affairs and Trade

8. No. 08-01-0011681

9. Seal / stamp

10. Signature



W.S. Cho

Cho Woo-seok

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TRADUCCIÓN OFICIAL 106/2008 DE UN DOCUMENTO EN INGLÉS Y EN ESPAÑOL, REALIZADA POR EDUARDO CALADO NOGUERA, TRADUCTOR OFICIAL AUTORIZADO POR RESOLUCIÓN 541 DEL 27 DE FEBRERO DE 1976 POR EL MINISTERIO DE JUSTICIA Y DEBIDAMENTE REGISTRADO ANTE EL MINISTERIO DE RELACIONES EXTERIORES DE COLOMBIA. DE ACUERDO CON DICHO DOCUMENTO HYUN-KOOK AHN RESIDENTE EN 203 SUJI VILLA, 126-127 SANGDO-5-DONG, DONG-JAK-GU, SEUL, 156-095, REPUBLICA DE COREA, DECLARAN BAJO JURAMENTO SER LOS INVENTORES ÚNICOS Y VERDADEROS DE LA INVENCION **APARATO Y MÉTODO PARA ELIMINAR EL RUIDO AMBIENTAL Y TERMINAL MOVIL DE COMUNICACIÓN QUE VIENE EQUIPADO CON EL APARATO**. ADEMÁS QUE CEDEN SIN RESERVAS NI LIMITACIONES EN FAVOR DE PISHON ANC CO, LTD, UNA SOCIEDAD CONSTITUIDA Y EXISTENTE DE CONFORMIDAD CON LAS LEYES DE LA REPÚBLICA DE COREA, DOMICILIADA EN 2f, MULLER BLDG., 403-1 DAEBANG-DONG, DONGJAK-GU, SEUL 156-811, REPÚBLICA DE COREA, TODOS LOS DERECHOS INHERENTES A DICHA INVENCION Y QUE LA CITADA COMPAÑÍA QUEDA FACULTADA PARA SOLICITAR EN SU NOMBRE LA PATENTE CORRESPONDIENTE EN LA REPÚBLICA DE COLOMBIA. DADO Y FIRMADO HOY _____ 203, SUJI VILLA, 126-127 SANGDO-5-DONG DONG-JAK-GU, SEOUL 156-095, R. O. KOREA. FIRMA ILEGIBLE.

REGISTRO NO 1010 DE 2008

CERTIFICACIÓN NOTARIAL

Min Hye, Kim, apoderado de ANN HYUN KOOK, compareció ante mi y admitió la firma del principal en la cesión adjunta.

Esto se atestigua hoy primero de abril de 2008 en esta oficina.

OFICINAS JURÍDICAS DE BAE, KIM, & LEE LLC, 647-15, Yoksam-Dong, Gangnam-gu, Seul, Corea

Firmado: HYUN WOOK PARK, ABOGADO

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Esta oficina está autorizada por el Ministerio de Justicia,
República de Corea para actuar como notario público desde el
9 de octubre de 1998 de acuerdo con la Ley 3594.

APOSTILLA

(CONVENCIÓN DE LA HAYA DEL 5 DE OCTUBRE DE 1961)

1. PAÍS: REPÚBLICA DE COREA

Este documento público

2. ha sido firmado por PARK HYUN WOOK

3. quien actúa en su calidad de (DATO EN BLANCO)

4. lleva el sello/estampilla de BAE KIM LEE notario público

CERTIFICADO

5. en SEÚL 6. el 4 de abril de 2008

7. por el Ministerio de Asuntos Exteriores y Comercio

8. 08-01-0011681

9. Sello/estampilla: MINISTERIO DE ASUNTOS EXTERIORES Y
COMERCIO DE LA REPÚBLICA DE COREA.

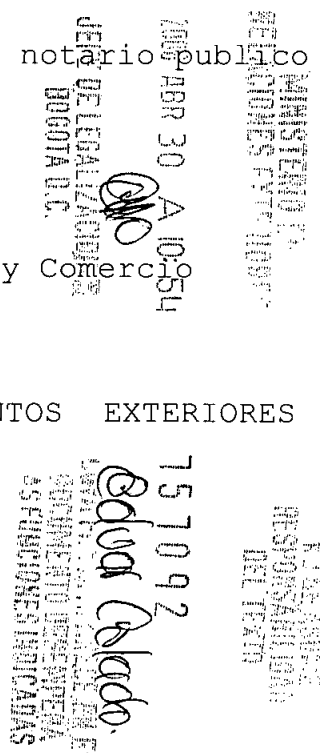
10. Firma: CHO WOO-SEOK

COLO-16396-841-001-5

ECN\ECN\ID-124832\WPCL002G

Bogotá, 29 de abril de 2008

Eduardo Calado
Eduardo Calado Noguera
• TRADUCTOR OFICIAL •
INGLES - ESPAÑOL CUGLES
Res. 541. Febrero de 1996



[제41호 서식]

전화:3404-0000(대표)
공증:3404-0401 ~3

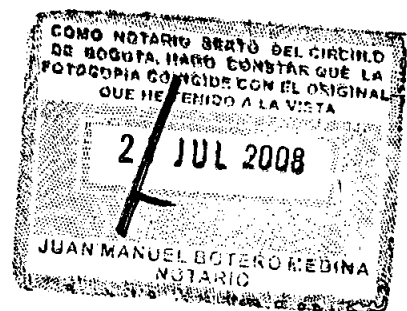
Registered No. 1009 of 2008



NOTARIAL CERTIFICATE

Law Offices Of **BAE, KIM & LEE** LLC

647-15 Yoksam-dong, Gangnam-gu, Seoul, Korea



CAVELIER

ABOGADOS
EDIFICIO SISKI
CARRERA 4a N° 72-35
BOGOTÁ, 8 - COLOMBIA

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Representación y Poder con autenticación notarial y Apostille para patentes, modelos de utilidad, diseños industriales, marcas de fábrica, nombres comerciales, enseñanzas, nombres de dominio, lemas comerciales, licencias.

Representation and Power-of-Attorney with notarial authentication and Apostille for patents, utility models, industrial designs, trademarks, commercial names, trade emblems, domain names, slogans, licenses.

REPRESENTACION Y PODER

REPRESENTATION AND POWER- OF- ATTORNEY

Yo (nosotros), abajo firmado (s)/I (we), the undersigned

PISHON ANC CO., LTD.

domiciliado (s) en/of

2f. Muller Bldg., 403-1 Daebang-dong

Dongjak-gu

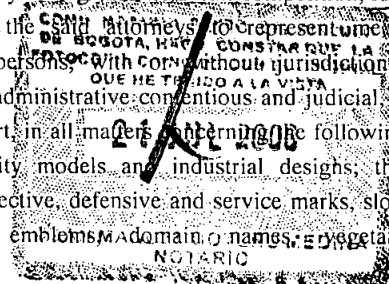
Seoul 156-811, Republic of Korea

por el presente nombramos a EMILIO FERRERO, tpa. 31929; LUZ CLEMENCIA DE PAEZ, tpa. 23555 y DANIEL PEÑA, tpa. 65620, domiciliados en la Carrera 4ª N° 72-35, Bogotá, Colombia, en obediencia a lo dispuesto en el parágrafo 1o del Artículo 543 del Código de Comercio, el primero como principal y los demás como suplentes, en su orden, como mis (nuestros) representantes en todos los asuntos de propiedad industrial con facultad para recibir notificaciones y nombrar apoderados judiciales o extrajudiciales. El primer representante suplente reemplazará al principal en caso de ausencia o impedimento temporal o definitivo de aquél. La misma regla se aplicará cuando el segundo representante suplente haya de reemplazar al primero, o el tercero al segundo. En tales casos, el representante principal, o el primero, o segundo suplente, en su caso, o ambos, declararán su intención de no ejercer la representación mediante declaración autenticada por Notario Público en Colombia, o por Notario u otro Funcionario Público, o Cónsul de Colombia, en el extranjero; y si se tratare de impedimento, con el certificado respectivo. Si alguno de los nombrados faltare definitivamente, el siguiente tomará su lugar. Cuando cesare la ausencia o impedimento del representante principal, o de su primero o segundo suplentes, en su caso, podrán ejercer la representación, en su orden, uno u otros según el caso, asumiéndola por el solo hecho de ejercerla, cesando en ese momento el ejercicio de la representación por el primero, segundo o tercer suplente en su caso.

Además, confiero (conferimos) poder a los abogados arriba nombrados, para obtener la protección de mi (nuestra) propiedad industrial y contra la competencia desleal, a cuyo efecto autorizo (amos) a los dichos apoderados para que me (nos) representen ante cualesquiera entidades o personas, ejerzan o no jurisdicción, especialmente ante las del orden administrativo, contencioso administrativo y judicial, así como los tribunales de arbitramento, en todo lo concerniente a los siguientes asuntos: a) Obtención de patentes de invención, modelos de utilidad, y diseños industriales; el registro de marcas de fábrica, colectivas, defensivas, de servicio, lemas comerciales, nombres comerciales,

in due compliance with the terms of paragraph 1st. of article 543 of the Commercial Code, do hereby appoint EMILIO FERRERO, tpa. 31929; LUZ CLEMENCIA DE PAEZ, tpa. 23555 and DANIEL PEÑA, tpa. 65620, domiciled at Carrera 4ª N° 72-35, Bogotá, Colombia, the first as principal and the others as alternates, in the order of their appointment, as our representatives for all industrial property matters with faculty to receive notifications and to appoint attorneys in and out of Court. The first alternate shall replace the principal in case of his absence or of temporal or definitive impediment. The same rule will apply when the second alternate representative is to replace the first one, or when the third is to replace the first or second alternates in their turn, or both of them, second. In such cases, the principal representative, or the first or second alternates in their turn, or both of them, shall state their intention not to act as representatives through a declaration given before a Notary Public in Colombia, or before a Notary or another Public Official or a Colombian Consul abroad; and in case of impediment, the appropriate certificate shall suffice. If any of the appointees were to be definitely absent, the following alternate shall take his place. When the absence or impediment of the principal representative, or of the first or second alternate in their turn ceases, the representation can be taken again in their sequence, by the principal, the first or second alternate depending on case, and the mere fact or its exercise will suffice. The exercise of the representation by the first, second or third alternates in their turn shall end at such time.

In addition, we grant a Power of Attorney in favor of the above named attorneys at law so that they may obtain the protection of my (our) industrial property and against the unfair competition, for which purpose I (we) authorize the said attorneys to represent me (us) before any authorities or persons, with or without jurisdiction, specially those administrative, administrative contentious and judicial as well as before Arbitration Court, in all matters concerning the following: a) Obtainment of patents, utility models and industrial designs; the registration of trademarks, collective, defensive and service marks, slogans, commercial names, trade emblems, domain names, slogans, commercial varieties and

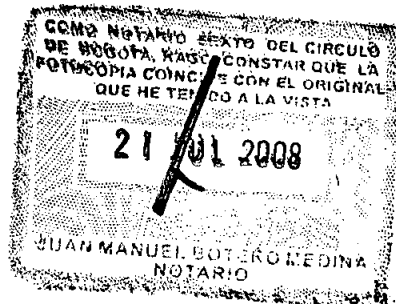


enseñas, nombres de dominio, variedades vegetales y denominaciones de origen; su renovación, traspaso, cambio de nombre o domicilio, cancelación voluntaria; y el registro de licencias de uso de esos derechos; b) Las acciones de competencia desleal, protección del consumidor, oposiciones u observaciones, cancelación administrativa y judicial, nulidad, medidas cautelares, concesión de licencias, la tutela, la protección de secretos industriales, y en general los juicios civiles, penales, administrativos o contencioso administrativos relacionados con estos derechos; acciones y procesos que promovamos o se nos promuevan. Y para que en todos los asuntos arriba determinados, puedan sustituir este mandato, transigir, conciliar, admitir los hechos del proceso, desistir, cancelar, recibir, renunciar, y ratificar los actos de agentes oficiosos.

denominations of origin; its renewal, assignment, change of name or domicile, voluntary cancellation; and the registration of licenses of use of the above rights; b) Actions of unfair competition, protection to the consumer, oppositions or observations, administrative or Court cancellation, nullity, infringement, granting of licenses, the action for writ of mandamus, the protection of trade secrets, and in general the civil, penal and administrative suits relating to those rights; actions and suits instituted by me (us) or against me (us). And that in all the above matter they may substitute this Power of Attorney, compromise, conciliate, admit the facts of the case, desist, cancel, receive, resign, and ratify acts done by representatives without a power of attorney.

Dado y firmado hoy/Given and signed this 朴 榮 大
en/in 2F. Muller Building, 403-1, Daehang-dong, Dongjak-ku, Seoul 156-811
por/by YUWYU YUP PARK Republic of Korea
朴 榮 大
Firma

Signature



CERTIFICACION NOTARIAL (SOCIEDAD)

El infrascrito Notario Certifica: Que la firma que antecede de _____
_____ es auténtica; que el signatario desempeña actualmente el cargo de _____
de la compañía _____,
sociedad que actualmente existe y está organizada de acuerdo a las leyes de _____,
que la dirección de dicha compañía es _____
_____ y que el signatario tiene facultad para otorgar este documento.

Todos los hechos anteriores le constan por haber examinado los documentos respectivos y de todo ello da fe.
Dado y firmado en _____

El _____

NOTARIAL CERTIFICATION (COMPANY)

The undersigned Notary certifies: That the preceding signature of _____
_____ is authentic, that the signatory currently acts in the position of _____
_____ of the company _____,
a company currently existing and organized under the laws of _____,
that the address is _____
_____ and that the signatory has the power to grant this document.

The Notary Public is aware and attests to the above facts upon examination of the corresponding documents.
Given and signed in _____

On _____

El Notario Público - The Notary Public
(Firma-sello) (Signature-seal)

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: _____

This public document

2. has been signed by _____

3. acting in the capacity of _____

4. bears the seal/stamp of _____

Certified

5. at _____

6. the _____

7. by _____

8. No. _____

9. Seal/stamp _____

10. Signature _____

COMO NOTARIO DEL CIRCULO DE BOGOTA HAYO CONSTATADO QUE LA FOTOCOPIA CONCORDA CON EL ORIGINAL QUE SE TIENE A LA VISTA

1 JUL 2008

JUAN MANUEL BOTERO MEDINA

NOTARIO

[제43호 서식]

등부 2008 년 제 1009 호

Registered NO.1009 of 2008

인 증

Notarial Certificate

위 위 임 장 에 기재된
주식회사 비손에이엔씨 대표이사 박영엽의
대리인 김민혜은(는)

Min Hye, Kim
attorney-in-fact of
YUNG YUP PARK, President of
PISHON ANC CO., LTD.

본직의 면전에서 위 본인이
서명한 것임을 확인하였다.

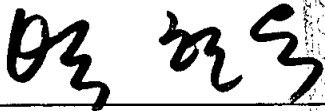
appeared before me and
admitted said principal's
subscription(s) to the attached
REPRESENTATION AND
POWER-OF-ATTORNEY

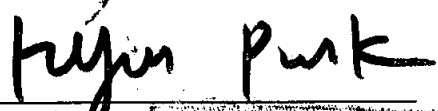
2008 년 04 월 01 일
이 사무소에서 위 인증한다.

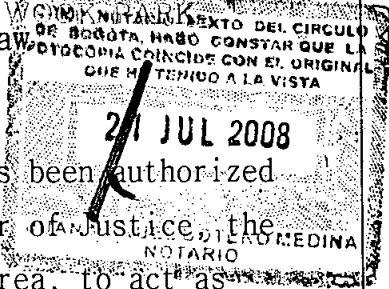
This is hereby attested on this
01st day of APR., 2008
at this office

공증인가 태평양
법무법인(유)
서울특별시 강남구 역삼동 647-15

Law Offices of BAE,KIM&LEE LLC
647-15, Yoksam-Dong
Gangnam-gu, Seoul, Korea


공증담당 변호사


Attorney-at-Law
This office has been authorized
by the Minister of Justice, the
Republic of Korea, to act as
Notary Public since Oct. 9,
1998 under Law No. 3594



13

APOSTILLE
(Convention de La Haye du 5 octobre 1961)

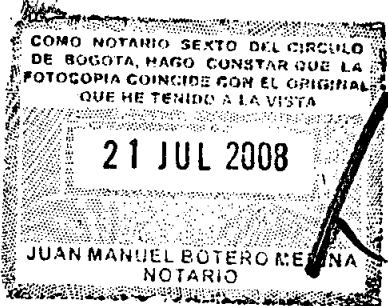
- 1. Country : Republic of Korea
- This public document
- 2. has been signed by PARK HYUN WOOK
- 3. acting in the capacity of
- 4. bears the seal/stamp of Bae, Kim Lee Notary Public Office

Certified

- 5. at Seoul
- 6. 04/04/2008
- 7. by The Ministry of Foreign Affairs and Trade
- 8. No. 08-01-0011680
- 9. Seal/ stamp

10. Signature

W.S. Cho
Cho Woo-seok



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TRADUCCIÓN OFICIAL No. 06/07.08 preparada por María Elvira Martelo, traductora oficial aprobada por el Ministerio de Justicia mediante resolución 2879 de 1999 y reconocida por el Ministerio de Relaciones Exteriores.

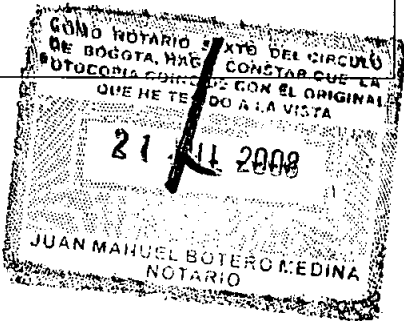
Registro No. 1009 de 2008

CERTIFICADO NOTARIAL

Bufete de BAE, KIM & LEE LLC

647-15 Yoksam-dong, Gangnam-gu, Seúl, Corea

[Sello dorado de la firma BAE, KIM & LEE LLC



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A continuación se traducen los sellos y legalizaciones de un documento escrito en inglés y español mediante el cual **PISHON AN CO., LTD.**, sociedad domiciliada en 2f. Muller Bldg., 403-1 Daebang-dong, Dongjak-gu, Seúl 156-811, República de Corea, otorga poder a **EMILIO FERRERO, LUZ CLEMENCIA DE PAEZ y DANIEL PEÑA.**

Dado y firmado en 2f. Muller Bldg., 403-1 Daebang-dong, Dongjak-gu, Seúl 156-811, República de Corea

Por: HYUNG YUP PARK

[Firma ilegible]

Registro No. 1009 de 2008

Certificado notarial

Min Hye, Kim, apoderado de YUNG YUP PARK, Presidente de PISHON AN CO., LTD,

Compareción ante mí y admitió la firma de su cliente en el documento de PODER Y REPRESENTACIÓN que se encuentra anexo.

Se certifica hoy 01 de abril de 2008 en esta oficina.

Bufete BAE, KIM & LEE LLC

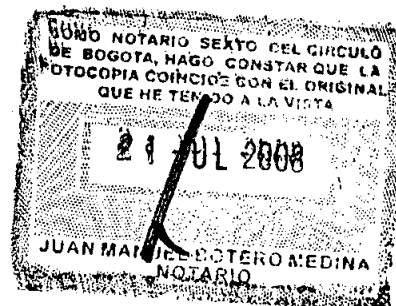
647-15, Yoksam-Dong

Gangnam-gu, Seúl, Corea

[Firma ilegible]

HYUN WOOK PARK

Abogado



90

Esta oficina fue autorizada por el Ministro de Justicia, República de Corea, para actuar como Notaría Pública desde el 9 de octubre de 1998, bajo la Ley No. 3594.

APOSTILLA

(Convención de La Haya del 5 de octubre de 1961)

1. País: República de Corea

Este documento público:

2. ha sido firmado por PARK HYUN WOOK

3. Actuando en su capacidad de (en blanco)

4. Lleva el sello/timbre de Bae, Kim and Lee, Notary Public Office

Certificado

5. En Seúl

6. el 04 de abril de 2008

7. Por el Ministerio de Relaciones Exteriores y Comercio

8. No. 08-01-0011680

9. Sello/timbre: MINISTERIO DE RELACIONES EXTERIORES Y COMERCIO DE LA REPÚBLICA DE COREA

10. Firma [Firma ilegible]

Cho Woo-seok

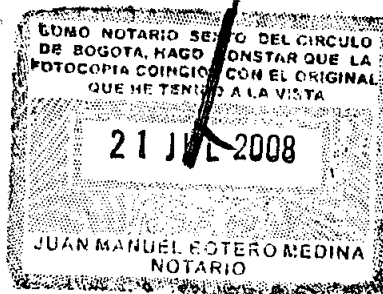
Es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.

COLO 16396-841-001-5

17-JUL-08

MMA\MMA\ID-130766\WPC16396

Maria E. Martelo.
TRADUCCION No.: 06/0708
MARIA ELVIRA MARTELO
Traductora e Interprete Oficial
Inglés - Español - Inglés
Res. No. 2879 Min. Justicia



16

MINISTERIO DE
RELACIONES EXTERIORES

MINISTERIO DE
RELACIONES EXTERIORES

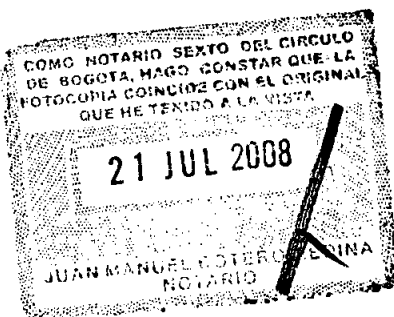
2008 JUL 18 A 11:56

MJ
DIRECCION DE
BOGOTA D.C.

948579

Maria Mantelo

QUIA CITA A PARCE EN EL
DOCUMENTO DE EMERGENCIA
LAS FORTES INDICADAS



90
1037

[제41호 서식]

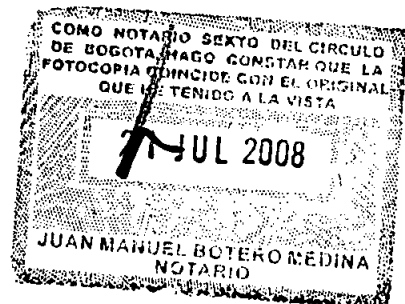
전화:3404-0000(대표)
공증:3404-0401 ~3

Registered No. 1989 of 2008

NOTARIAL CERTIFICATE

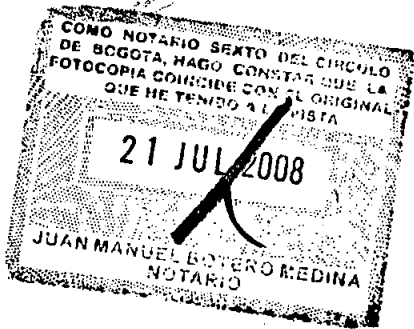
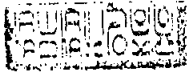
Law Offices Of **BAE, KIM & LEE** LLC

647-15 Yoksam-dong, Gangnam-gu, Seoul, Korea



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92

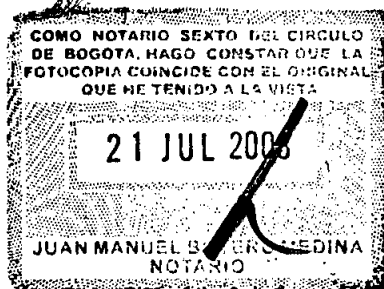
Registered No.	365437	Certification for All of Registered Matters (including only Current Item)	
Recorded No.	110111-3654377		
Company Name		PISHON ANC CO., LTD.	
Head Office		2F.Muller Bldg., 403-1 Daebang-dong, Dongjak-gu, Seoul 156-811, Republic of Korea	
Publication Method		It will be published on the Maeil Business Newspaper issuing in the capital city of Seoul	
Amount of 1 Stock		KRW 5,000	
Total number of Stocks to be issued		1,000,000 Stocks	
Total number, the Kinds and each number of Issued Stocks		April 13, 2007 Changed	
		April 17, 2007 Registered	
		Date of Change	
		Date of Registration	
Total number of Issued Stocks	11,765 Stocks	KRW 58,825,000	April 25, 2007 Changed
Preference Shares	1,765 Stocks		April 25, 2007 Registered
Ordinary Shares	10,000 Stocks		
Object			
1. Software development and semiconductor development & production of technology for ambient noise removal			
1. Trading services			
1. Wholesale and retail business			
1. Subsidiary enterprise related to the above item 1.			
Particulars for the Board			
Director	PARK, Yung-Yup	560809-1*****	
Director	KIM, Ae-Kyung	560914-2*****	
Auditor	PARK, Chol-Min	810102-1*****	
Representative Director	PARK, Yung-Yup	560809-1*****	
		# 13-805, 1685 Seocho-dong, Seocho-gu, Seoul, 137-070, Republic of Korea	
Director	YOO, Seong-Woon	720920-1*****	
	April 16, 2007 Inaugurated	April 25, 2007 Registered	
Other Matters			
1. Contents of Issued Stocks			
Contents of Preference Shares			
1. Preference shares have voting rights that equal to that of ordinary shares.			
2. Preference shares make preferred dividend of 1 percent per year ahead of ordinary shares.			
3. Preference share dividend is paid equal that of ordinary shares when ordinary shares dividend is paid.			
4. Carry-forward dividend is paid prior to other dividend next sales year when dividend is not provided in some sales year.			
April 16, 2007 Changed		April 25, 2007 Registered	
Stock Option			
1. It is possible to provide Stock Option if necessary.			

Issue date: March 5, 2008.

Issue Number: 4379-ALMG-KLQN

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Registered No.	365437
Officials and staffs of a company can be provided stock options under the condition of the commercial law 1. A type and a number of published or transferred stocks by the use of stock option. The stock granted by the use of stock option is an inscribed stock. Stock option provided to each official and staff are not allowed to exceed 5/100 of the total number of issued stocks. 1. Qualifying conditions for a person to be provided a stock option Stock option has to be provided to officials and staffs having an ability to contribute in establishing and managing the company and technical innovation. 1. Duration of stock option Stock option can be used from two years to five years after the general meeting of stockholders' resolution. 1. When it is a regular case, stock option can be canceled by a council resolution After receiving stock option, events set in stock option contract: voluntary retirement, intended or unexpected damage to the company and cancellation reason defined in the stock option contract in that year may cancel the stock option by the council resolution.	
April 13, 2007 Established	April 17, 2007 Registered
Date of Company Establishment	April 6, 2007
Opening Reason of Company Registration and Date Establishment	
April 6, 2007 Registered	

Fee, KRW 800 was charged.

No more statement hereafter.

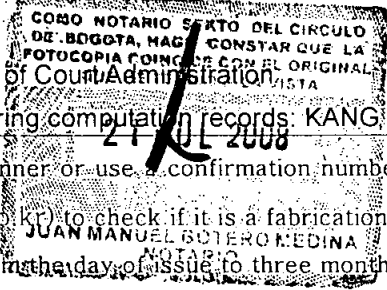
Competent Registry Office: Commercial Registration Dept., Seoul Central District Court /
Issue Registry Office: Dongjak Registry Office., Seoul Central District Court

This is to certify that this certification is consistent with the contents of registered records. [Merely, the particulars for the branch office that is not applied and the officer of the said branch have been omitted.]

March 5, 2008

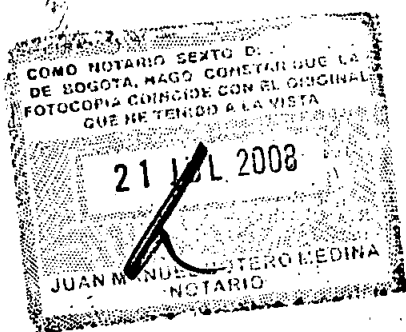
Registered Information Administrative Dept., Office of Court Administration
Responsible officer for administering computation records: KANG Han-Soo

You may check the bar code at the bottom of this document with scanner or use a confirmation number on the print confirmation menu in Internet Registry office(<http://www.iros.go.kr>) to check if it is a fabrication or not. Confirmation through confirmation number is available in five times from the day of issue to three months after.



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등기사항전부증명서(현재사항)

등기번호	365437
등록번호	110111-3654377

상 호	주식회사 비손에이앤씨	
본 점	서울특별시 동작구 대방동 403-1 물러빌딩 2층	

광고방법	서울시내에서 발행하는 일간 매일경제신문에 게재한다.	
------	------------------------------	--

1주의 금액	금 5,000 원	
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발행할 주식의 총수	1,000,000 주	2007.04.13 변경 2007.04.17 등기
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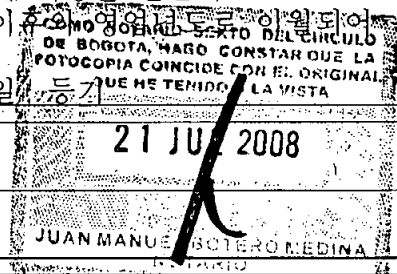
발행주식의 총수와 그 종류 및 각각의 수	자본의 총액	변경 연월일 등기 연월일
발행주식의 총수 11,765 주		2007.04.25 변경
우선주식 1,765 주		2007.04.25 등기
보통주식 10,000 주	금 58,825,000 원	

목 적
1. 주변소음 제거기술의 소프트웨어 개발, 반도체 개발 및 생산
1. 무역업
1. 도소매업
1. 위 각호에 관련된 부대사업일체

임원에 관한 사항
이사 박영엽 560809-1*****
이사 김애경 560914-2*****
감사 박철민 810102-1*****
대표이사 박영엽 560809-1***** 서울특별시 서초구 서초동 1685 삼풍아파트 13-805
이사 유승운 720920-1*****
2007 년 04 월 16 일 취임 2007 년 04 월 25 일 등기

기 타 사 항
1. 발행주식의 내용
우선주식의내용
1. 우선주식은 보통주식과 동일하게 의결권을 가지고 있다
2. 우선주식은 보통주식에 우선하여 연1%의 배당을 받는다
3. 보통주식의 배당지급시 우선주식도 보통주식과 평등하게 배당을 받는다
4. 어느 영업년도의 이익배당이 지급되지 못할 경우에는 이
2007 년 04 월 16 일 변경 2007 년 04 월 25 일 등기

주식매수선택권
1. 일정한 경우 주식매수선택권을 부여할 수 있다는 뜻

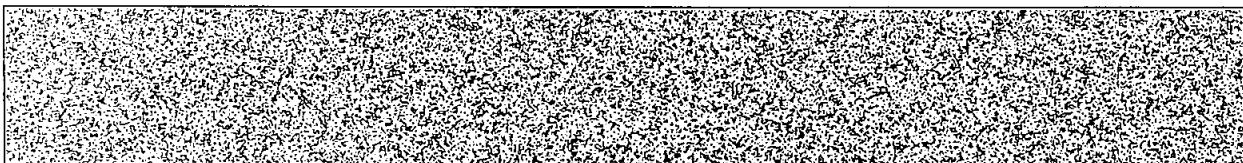


문서 하단의 바코드를 스캐너로 확인하거나, 인터넷등기소(<http://www.iros.go.kr>)의 '발급확인' 메뉴에서
발급확인번호를 입력하여 위·변조 여부를 확인할 수 있습니다.
발급확인번호를 통한 확인은 발행일부터 3개월까지 5회에 한하여 가능합니다.

발급확인번호 4379-ALMG-KLQN

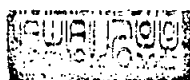
00002120671354053603810100252101B1E8C1F6C8AD 5 발행일:2008/03/05

- 1/2 -



44

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COMO NOTARIO SEXTO DEL CIRCULO
DE BOGOTA, HAGO CONSTAR QUE LA
FOTOCOPIA COINCIDE CON EL ORIGINAL
QUE HE TENIDO A LA VISTA

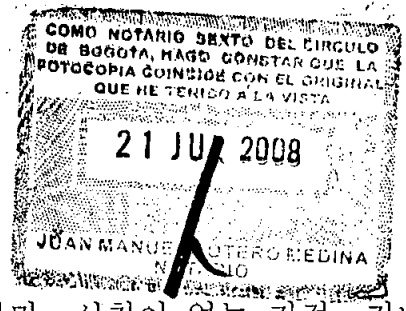
21 JUL 2008

JUAN MANUEL BOTERO
NOTARIO

등기번호	365437
회사의 임.직원에게 상법제340조2의 규정에 의한 주식매수선택권을 부여할 수 있다 1. 주식매수선택권의 행사로 발행하거나 양도할 주식의 종류와 수 주식매수선택권의 행사로 교부할 주식은 기명식 보통주식으로 한다.임원 또는 직원1인에 대하여 부여하는 주식매수선택권은 발행주식총수의 100 분의5를 초과할 수 없다 1. 주식매수선택권을 부여받을 자의 자격요건 주식매수선택권을 부여받을 임.직원은 회사의 설립과 경영.기술혁신 등에 기여하거나 기여할 능력을 갖춘 임.직원으로 한다 1. 주식매수선택권의 행사기간 주식매수선택권은 이를 부여하는 주주총회 결의일로부터 2년이 경과한 날로부터 5년내에 행사할 수 있다 1. 일정한 경우 이사회결의로 주식매수선택권의 부여를 취소할 수 있다는 뜻 당해 임.직원이 주식매수선택권을 부여받은 후 임의 퇴임하거나 퇴직한 경우, 고의 또는 과실로 회사에 중대한 손해를 초래하게 된 경우, 기타 주식매수선택권 부여계약서에서 정한 취소사유가 발생한 경우에는 이사회 결의로 주식매수선택권의 부여를 취소할 수 있다 2007년 04월 13일 설정 2007년 04월 17일 등기	

회사성립연월일	2007년 04월 06일
등기기록의 개설 사유 및 연월일 설립	2007년 04월 06일 등기

수수료 1,200원 영수함 --- 이 하 여 백 ---
관할등기소 : 서울중앙지방법원 상업등기소 / 발행등기소 : 서울중앙지방법원 동작등기소

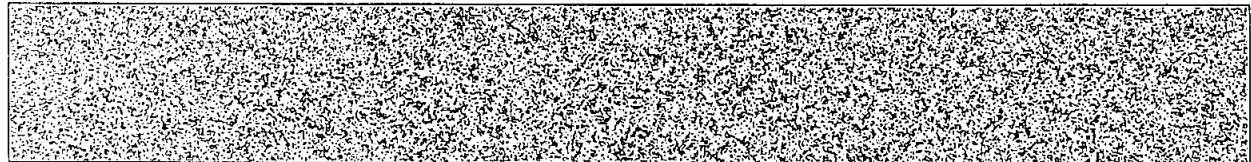


이 증명서는 등기기록의 내용과 틀림없음을 증명합니다. [다만, 신청이 없는 지점·지배인에 관한 사항과 현재 효력이 없는 등기사항의 기재를 생략하였습니다]
서기 2008년 03월 05일
법원행정처 등기정보중앙관리소 전산운영책임관 강한수



* 실선으로 그어진 부분은 말소(변경,경정)된 등기사항입니다. * 등기사항증명서는 컬러로 출력 가능합니다.
문서 하단의 바코드를 스캐너로 확인하거나, 인터넷등기소(<http://www.iros.go.kr>)의 발급확인 메뉴에서 발급확인번호를 입력하여 위·변조 여부를 확인할 수 있습니다.
발급확인번호를 통한 확인은 발행일부터 3개월까지 5회에 한하여 가능합니다.

발급확인번호 4379-ALMG-KLQN
00002120671354053603810100252101B1E8C1F6C8AD 5 발행일:2008/03/05 - 2/2 -



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BOGOTÁ

COMO NOTARIO SEXTO DEL CIRCULO
DE BOGOTÁ, HAGO CONSTAR QUE LA
FOTOCOPIA CONCIERDE CON EL ORIGINAL
QUE HE TENIDO A LA VISTA

21 JUL 2008

JUAN MANUEL POTERO MESA
NOTARIO

[제45호 서식]

위 번역문은 원문과 상위없음을 서약
합니다.

I swear that the attached
translation is true to the original

2008 년 07 월 02 일

02nd. JULY, 2008

서약인

김현영



김현영

Signature

[Handwritten Signature]

등부 2008 년 1989 호

Registered No. 1989 of 2008
Notarial Certificate

인 증

위 김 현 영 은
본직의 면전에서 위 번역문이 원문
과 상위없음을 확인하고 서명날인 하
였다.

Kim, Hyun Young personally
appeared before me, confirmed
that the attached translation is
true to the original and
subscribed his(her) name.

2008 년 07 월 02 일

This is hereby attested on this
02nd day of JULY, 2008
at this office

이 사무소에서 위 인증한다.

공증인가
법무법인(유) 태평양

서울특별시 강남구 역삼동 647-15

Law Offices of BAE, KIM & LEE LLC
647-15, Yoksam-Dong
Gangnam-gu, Seoul, Korea

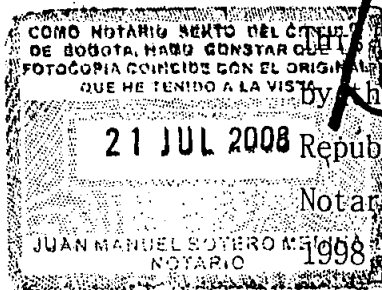
[Handwritten Signature]



공증담당 변호사

[Handwritten Signature]

SOON IK KWON
Attorney-at-Law



This office has been authorized
by the Minister of Justice, the
Republic of Korea, to act as
Notary Public since Oct. 9,
1998 under Law No. 3594

22

APOSTILLE
(Convention de La Haye du 5 octobre 1961)

1. Country : Republic of Korea
- This public document
2. has been signed by KWON SOON IK
3. acting in the capacity of
4. bears the seal/stamp of Bae, Kim and Lee Notary Public Office

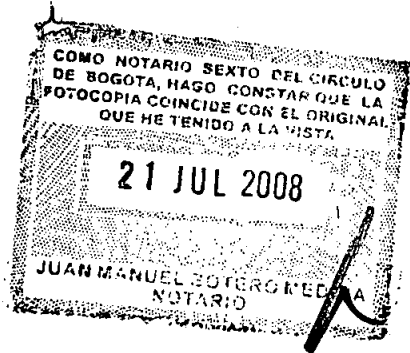
Certified

5. at Seoul 6. 03/07/2008
7. by The Ministry of Foreign Affairs and Trade
8. No. 08-01-0022909
9. Seal/ stamp

10. Signature



W.S. Cho
Cho Woo-seok



97

TRADUCCIÓN OFICIAL No. 11/06.08 preparada por María Elvira Martelo, traductora oficial aprobada por el Ministerio de Justicia mediante resolución 2879 de 1999 y reconocida por el Ministerio de Relaciones Exteriores.

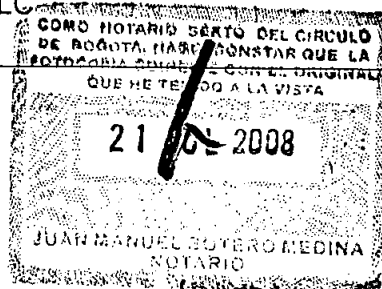
Registro No. 1989 de 2008

CERTIFICADO NOTARIAL

Bufete de BAE, KIM & LEE LLC

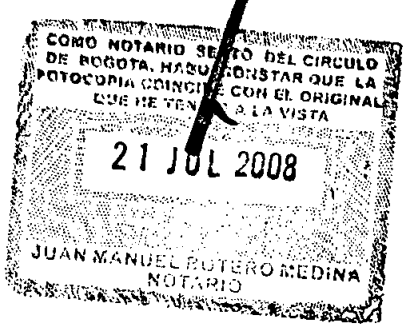
647-15 Yoksam-dong, Gangnam-gu, Seúl, Corea

[Sello dorado de la firma BAE, KIM & LEE LLC]

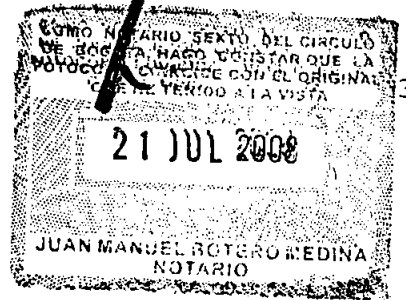


98

Registro No.	365437	Certificación sobre todos los asuntos registrados	
No. Inscripción	110111-3654377	(incluyendo sólo items actuales)	
Nombre de la sociedad	PISHON ANC CO., LTD.		
Oficina principal	2F.Muller Bldg., 403-1 Daebang-dong, Seoul 156-811 República de Corea		
Método de publicación	Será publicado en el diario Maeil Business Newspaper que circula en la ciudad capital de Seúl		
Valor de 1 acción	KRW 5.000		
Número total de acciones a ser emitidas	1.000.000 acciones		13 abril 2007, Cambió
			17 abril 2007, Registró
Número total, clase y números de acciones emitidas	Capital Total		Fecha de cambio
			Fecha de registro
Número total de acciones emitidas	11.765 acciones	KRW 58.825.000	25 abril 2007 Cambió
Acciones preferenciales	1.765 acciones		
Acciones ordinarias	10.000 acciones		25 abril 2007 Registró
Objeto			
1. Desarrollo de software y semiconductores y producción de tecnología para eliminar el ruido ambiental			
1. Servicios de comercialización			
1. Comercio mayorista y minorista			
1. Empresa subsidiaria relacionada con el ítem 1			
Particulares de la Junta			
Director	PARK, Young-Yup	560809-1*****	
Director	KIM, Ae-Kyung	560914-2*****	
Auditor	PARK, Chol-Min	810102-1*****	
Director representante	PARK, Young-Yup	560809-1*****	
Director	YOO, Seong-Woon	720920-1*****	
		# 13-805, 1685 Seocho-dong, Seocho gu Seoul, 137-070 República de Corea	
16 de abril de 2007	Inaugurada	25 de abril de 2007	Registrada
Otros Asuntos			
1. Contenido de las acciones emitidas			
Contenido de las acciones preferenciales			
1. Las acciones preferenciales y las ordinarias tienen		igual derecho a voto	
2. Las acciones preferenciales obtienen un dividendo		preferencial del 1% anual por encima de las acciones ordinarias	



3. El dividendo de las acciones preferenciales se paga igual que el de las acciones ordinarias cuando se paga el dividendo de las acciones ordinarias			
4. El dividendo que pasa al siguiente periodo es pagado antes de otros dividendos del siguiente año de ventas cuando no se ha dispuesto dividendo en algún año de ventas			
16 de abril de 2007	Cambió	25 de abril de 2007	Registró
Opción de Compra			
1. Es posible otorgar opción de compra si fuera necesario Los directivos y personal de la compañía pueden tener opción de compra en las condiciones de la ley comercial			
1. Clase y número de las acciones publicadas o transferidas por el ejercicio de una opción de compra La acción otorgada por ejercicio de opción de compra es una acción inscrita. La opción de compra otorgada a cada directivo y empleado no puede sobrepasar el 5/100 del número total de acciones emitidas.			
1. Condiciones para que una persona pueda tener una opción de compra Pueden tenerla los directivos y el personal que pueda contribuir en el establecimiento y gerencia de la compañía y en su innovación técnica.			
1. Duración de la opción de compra Después de la resolución de la asamblea general de accionistas, puede ser ejercida en un plazo de dos a cinco años.			
1. Cuando se trate de un caso normal, la opción de compra puede ser cancelada mediante resolución del Consejo Después de recibir una opción de compra, los eventos indicados en el contrato de opción de compra -retiro voluntario, daños y perjuicios intencionados o inesperados causados a la compañía y causal de cancelación definida en el contrato de opción de compra en ese año- pueden revocar la opción de compra mediante resolución del Consejo.			
13 de abril de 2007	Establecida	17 de abril de 2007	Registrada
Fecha de establecimiento de la compañía		6 de abril de 2007	
Razón de apertura del Registro Mercantil y fecha de establecimiento		6 de abril de 2007 Registrada	
Fecha de expedición: 5 de marzo de 2008			
Derecho: KRW 800, Cobrados			
Hasta aquí las declaraciones			
Oficina de Registro competente: Departamento de Registro Mercantil, Corte Distrital Central de Seúl/ Oficina que expide el registro: Oficina de Registro de Dongjak, Corte Distrital Central de Seúl			
Por el presente se certifica que esta certificación es consistente con el contenido de los archivos. [Sólo se han omitido los particulares de la sucursal que no fueron solicitados por el funcionario de dicha sucursal]			
5 de marzo de 2008			
Departamento Administrativo de Información Registrada, Oficina de Administración Judicial Funcionario responsable por administrar registros de computación: KANG, Han-Soo			
Usted puede revisar el código de barras que se encuentra en la parte inferior de este documento con un escáner o usar el número de confirmación que se encuentra en el menú de confirmación de			



100

impresión de la oficina de registro de Internet (<http://www.iros.go.kr>) para ver si es veraz. Se pueden efectuar cinco confirmaciones a través del número de confirmación a partir del día de expedición y hasta tres meses después.

Juro que la anexa es una traducción fiel del original

2 de julio de 2008

Firma: [Firma ilegible]

Registro No. 1989 de 2008

Certificado notarial

Kim, Hyun Young compareció personalmente ante mí, confirmó que la traducción anexa es fiel al original y suscribió su nombre.

Se certifica hoy 2 de julio de 2008 en esta oficina.

Bufete BAE, KIM & LEE LLC

647-15, Yoksam-Dong

Gangnam-gu, Séúl, Corea

[Firma ilegible]

Soon Ik kwon

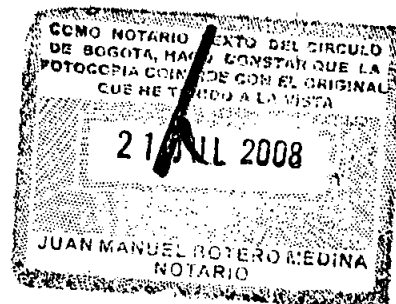
Abogado

Esta oficina fue autorizada por el Ministro de Justicia, República de Corea, para actuar como Notaría Pública desde el 9 de octubre de 1998, bajo la Ley No. 3594.

APOSTILLA

(Convención de La Haya del 5 de octubre de 1961)

1. País: República de Corea



- Este documento público:
2. ha sido firmado por KWON SOON IK
 3. Actuando en su capacidad de (en blanco)
 4. Lleva el sello/timbre de Bae, Kim and Lee, Notary Public Office

Certificado

5. En Seúl
6. el 03 de julio de 2008
7. Por el Ministerio de Relaciones y Comercio Exterior
8. No. 08-01-0022909
9. Sello/timbre: MINISTERIO DE RELACIONES EXTERIORES Y COMERCIO DE LA REPÚBLICA DE COREA
10. Firma [Firma ilegible]
Cho Woo-seok

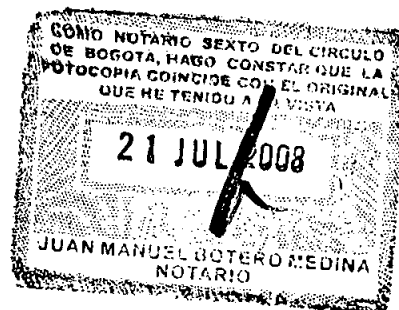
Es traducción fiel y completa de la cual se deja copia en esta oficina para su confrontación.

COLO 16396-841-001-5

17-JUL-08

MMA\MMA\ID-129141\WPC16396

Marcia E Martelo
TRADUCCION No: 11/06.08
MARIA ELVIRA MARTELO
Traductora e Interprete Oficial
Inglés - Español - Inglés
Res. No. 2879 Min. Justicia



22

AGENCIA
RESERVA
DEL PAGO

MINISTERIO DE
RELACIONES EXTERIORES

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Juan Manuel
QUIA FIRMA APARECE EN EL
DOCUMENTO RESERVADO
LAS FUNCIONES INDICADAS

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BOGOTA D.C.

COMO NOTARIO SEXTO DEL CIRCULO
DE BOGOTA, HAGO CONSTAR QUE LA
FOTOCOPIA COINCIDE CON EL ORIGINAL
QUE HE TENIDO A LA VISTA
21 JUL 2008
JUAN MANUEL BOGOT MEDINA
NOTARIO

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

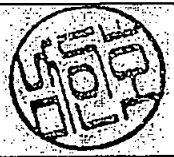
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 06PP247	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/KR2005/003011	International filing date(day/month/year) 13 SEPTEMBER 2005 (13.09.2005)	Priority date (day/month/year) 05 SEPTEMBER 2005 (05.09.2005)	
International Patent Classification (IPC) or national classification and IPC H04B 1/40(2006.01)i			
Applicant PISHON ANC CO., LTD. et al			

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____ containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box relating to Sequence Listing (see Section 802 of the Administrative Instructions).

- This report contains indications relating to the following items:
 - ☒ Box No. I Basis of the report
 - ☐ Box No. II Priority
 - ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - ☐ Box No. IV Lack of unity of invention
 - ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - ☐ Box No. VI Certain documents cited
 - ☐ Box No. VII Certain defects in the international application
 - ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 12 JUNE 2007 (12.06.2007)	Date of completion of this report 05 DECEMBER 2007 (05.12.2007)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer NAM, In Ho  Telephone No. 82-42-481-8129

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2005/003011

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☐ the international application in the language in which it was filed.
- ☒ a translation of the international application into English which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3(a) and 23.1(b)).
- ☒ publication of the international application (under Rule 12.4(a)).
- ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a)).

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

- ☒ the international application as originally filed/furnished
- ☐ the description:
pages _____ as originally filed/furnished
pages* _____ received by this Authority on _____
pages* _____ received by this Authority on _____
- ☐ the claims:
pages _____ as originally filed/furnished
pages* _____ as amended (together with any statement) under Article 19
pages* _____ received by this Authority on _____
pages* _____ received by this Authority on _____
- ☐ the drawings:
pages _____ as originally filed/furnished
pages* _____ received by this Authority on _____
pages* _____ received by this Authority on _____
- ☐ the sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

5. ☐ This report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 70.2(e)).

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2005/003011

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-20	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims	None	NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents.

D1 : JP 61-099451 A(TOSHIBA CORP) 17 MAY 1986

D2 : JP 2005-086361 A(HITACHI KOKUSAI ELECTRIC INC) 31 MARCH 2005

I. Novelty

D1 relates to a telephone which can transmit only the signal according to speaker's speech and have a high speech quality.

D2 relates to a portable terminal which automatically controls the call sound volume according to the level of the surrounding noise and the sending or receiving voice to/from a communication party.

Neither D1 nor D2 discloses exactly all the technical components of claims 1 - 20 of the present invention regarding an ambient noise removing apparatus and method and a mobile communication terminal equipped with the apparatus for removing an ambient noise inputted together with a user's voice signal or specific tone source.

Therefore, the subject matter of claims 1-20 in the present invention are novel under PCT Article 33(2).

II. Inventive Step

(1) Claim 1 of the present invention discloses an ambient noise removing apparatus for removing a noise from a tone source with the noise inputted via a microphone or sensor, the apparatus comprising:

a reference current setting unit for setting a reference current from the tone source inputted via the microphone or sensor;

a variable amplifier having a gain controlled by the set reference current and for amplifying an input current of the tone source depending on the gain; and

a level adjuster for adjusting a level of the tone source amplified through the variable amplifier.

D1 discloses "It is desirable that the predetermined reference voltage level is lower than the minimum level of speaker's speech and higher than the level of a noise which the transmitter 1 may receive; when the transmitter 1 receives an input sound, such as speaker's speech and a noise, the transmitter 1 outputs the input signal according to an input sound. The input signal is inputted to the detector, and the detector detects a voltage level of the input signal to output the voltage level signal to a comparator; The comparator 4 compares the voltage level with a predetermined reference voltage level to output a result of the comparison to an amplifier 3; The amplifier 3 amplifies the input signal at an amplification factor which decreases the amplification gain if the input signal level is lower than the standard level, and increases the amplification gain if the input signal level is higher than the standard".

The difference between D1 and claim 1 of the present invention is that claim 1 of the present invention includes a level adjuster for adjusting a level of the tone source.

(see the Supplemental Box)

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

But, the said difference is obvious to a person skilled in the art, for D2 discloses a method that a speaker automatically controls the optimal sound volume by setting the call sound volume according to the level of the ambient noise.

(2) Claim 2 which is dependant on claim 1 discloses "the reference current setting unit receives a current of the tone source inputted via the microphone or sensor and provides an average of the current to thereby set the reference current".

D1 discloses "it is desirable that the predetermined reference voltage level is lower than the minimum level of speaker's speech and higher than the level of a noise which the transmitter 1 may receive"

(3) Claim 3 which is dependant on claim 1 discloses "the gain of the variable amplifier is proportional to a voltage of the tone source inputted via the microphone or sensor". But D1 discloses "when the transmitter 1 receives an input sound, the transmitter 1 outputs the voltage level signal according to the input signal. ~ the comparator 4 compares the voltage level with a predetermined reference voltage level to output a result of the comparison to an amplifier 3".

(4) Claim 4 which is dependant on claim 3 discloses "the level adjuster is an operational amplifier".

But it is obvious to a person skilled in the art that an operational amplifier can be used for a level adjuster.

(5) Claim 5 which is dependant on claim 3 discloses "the operation of the apparatus is ON or OFF by a manipulation of a user". But the characteristic of claim 3 is considered to be obtained by a simple design change of a person skilled in the art.

(6) Claims 6-9 which are dependant on claim 3 disclose "the apparatus which is connected to a mobile communication terminal and included in an electric stethoscope or radiotelegraph". But it just enumerates the apparatus to which a speech signal or a specific voice source of a user is inputted.

(7) Claims 10-14 relate to an ambient noise removing method for removing a noise from a tone source with the noise inputted via a microphone or a sensor, and they are the same as the invention in claims 1, 3, 5 except the category aspect.

(8) Claims 15-16 related to a mobile communication terminal equipped with an ambient noise removing apparatus comprise the same technical components of claim 1 and 5, and claims 15-16 further comprise a voice signal processor for receiving and processing the tone source adjusted by the level adjuster.

But D2 discloses a converter and codec performing the same function with the voice signal processor.

(9) The technical components like a full-wave rectification circuit, a variable amplification circuit and a level conversion circuit of claim 17 perform the same functions as main technical components of claim 1.

(10) Claims 18-19 which are dependant on claim 17 describe "the terminal in which the output terminal of the level conversion circuit connects with the mobile communications terminal", but it is considered to be obtained by a simple design change of a person skilled in the art according to the kind of the apparatus in which the ambient noise apparatus for removing is installed.

(see the Supplemental Box)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2005/003011

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:

(11) Claim 20 which is dependant on claim 19 describes "the operation of the microphone of the mobile communication terminal is automatically OFF when an ambient noise removing apparatus is connected to a mobile communications terminal". But it is 'power on and off setting condition' of the apparatus that the person skilled in the art can change according to a need.

Therefore, claims 1-20 of the present invention do not involve an inventive step under PCT Article 33(3).

III. Industrial Applicability

The subject matter of claims 1-20 relate to an ambient noise removing apparatus and method and a mobile communication terminal having the apparatus. Thus, claims 1-20 are considered to be industrially applicable under PCT Article 33(4).

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REPUBLICA DE COLOMBIA
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

Folio 107

2020
Bogotá D.C.,

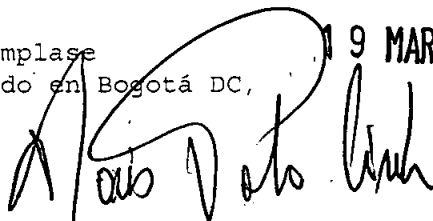
Doctor(a)
FERRERO EMILIO
Apoderado(a) y/o Representante de
PISHON ANC CO. LTDA

REFERENCIA	Radicación No.	8 23598
	Solicitud internacional	PCT/KR2005/003011
	Fecha inicio fase nacional	05/04/2008
	Trámite	11
	Evento	379
	Actuación	416
	Oficio No.	7787
	Folios	1

Teniendo en cuenta que la solicitud de privilegio de patente que se tramita bajo el expediente indicado en la referencia, reúne los requisitos de forma establecidos en la Decisión 486 de la Comisión de la Comunidad Andina, el Tratado de Cooperación en Materia de Patentes (PCT), el Reglamento y la Circular Única de la Superintendencia de Industria y Comercio, se envía el extracto de la solicitud a la Oficina de Comunicaciones para efecto de su publicación en la Gaceta de Propiedad Industrial.

Cúmplase
Dado en Bogotá DC,

19 MAR. 2009



DORIS ELENA POLO CORDOBA
Jefe de la división de Nuevas Creaciones (E)

jfernand