



Certificate of Registration

YANMA GNS CO., LTD.

(Gojan-dong) 301ho, 1171, Aam-daero, Namdong-gu, Incheon, Republic of Korea

has been approved by ITQA Co., Ltd. to the following
quality management system standards :

ISO 9001:2015

The scope of quality management system is applicable to :

**Manufacture and Trade of Mold(Plastic), Sterilizer(Escalator),
Polystyrene Photo Frame, Interior Molding**

Valid Date

From 17 August 2017 To 16 August 2020

Certificate No. : 17-Q-2541-00 Date of last Issue : 17 August 2017



Seong Sik Yoo



Accreditation by the Joint Accreditation
System of Australia and New Zealand
www.jas-anz.org/register

This Certificate is valid only if the organization meets the requirement continually.



Certificate of Registration

YANMA GNS CO., LTD.

(Gojan-dong) 301ho, 1171, Aam-daero, Namdong-gu, Incheon, Republic of Korea

has been approved by ITQA Co., Ltd. to the following
environment management system standards :

ISO 14001:2015

The scope of environment management system is applicable to :

**Manufacture and Trade of Mold(Plastic), Sterilizer(Escalator),
Polystyrene Photo Frame, Interior Molding**

Valid Date

From 17 August 2017 To 16 August 2020

Certificate No. : 17-E-1343-00 Date of last Issue : 17 August 2017



Seong Sik Yoo



Accreditation by the Joint Accreditation
System of Australia and New Zealand
www.jas-anz.org/register

This Certificate is valid only if the organization meets the requirement continually.

EC Declaration of Conformity

According to

EMC Directive 2014/30/EU

For the following product:

Product Name	: Clearwin
Model Name	: CWK-BG001
Variant Model Name	: CWK-BG001
Applicant	: Clearwin Korea Inc.
Applicant's Address	: 88 Jeonpa-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea
Manufacturer	: Same as above

We hereby declare that the product identified above meets the requirements of the EMC Directive 2014/30/EU, as laid out in the guideline set down by the member states of the EEC commission.

This declaration is valid for all samples that are part of this declaration, which are manufactured according to the production charts appendix.



The following harmonized standards were applied in full in accordance to Article 6 of Directive 2014/30/EU:

EN 61000-6-3:2007+A1:2011

EN 61000-6-1:2007

Clearwin Korea Inc.
88 Jeonpa-ro, Dongan-gu, Anyang-si, Gyeonggi-do,
Republic of Korea

Date of issue: June 24, 2020

CLEARWIN KOREA Co., Ltd.

PRESIDENT / KIM YOO CHEOL

CE CONFORMANCE TEST REPORT

Report No.	: KST-CEM-200044		
Date of Issue	: June 24, 2020		
Model / Type No.	: CWK-BG001		
Variant Model / Type No.	: CWK-BG001		
Kind of Product	: Clearwin		
Applicant	: Clearwin Korea Inc.		
Applicant's Address	: 88 Jeonpa-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea		
Manufacturer	: Same as above		
Received Date	: May 29, 2020		
Test Period	: Start : June 16, 2020	End : June 17, 2020	
Test Result	: ☒ In Compliance ☐ Not in Compliance		
Applicable Standard	: EN 61000-6-3:2007+A1:2011 EN 61000-6-1:2007		

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

Tested by

Reviewed by



Jung-hun Park
EMC Test Engineer



Dong-in Youn
EMC Technical Manager



FCC

DECLARATION OF CONFORMITY

Applicant's Name: Clearwin Korea Inc.

Applicant's Address: 88 Jompa-ro, Dongan-gu, Anyang-si, Gyeonggi-do,
Republic of Korea

Manufacturer's Name: Same as above

Manufacturer's Address: Same as above

Declares that the product:



Type of Equipment:	Clearwin
Model Name:	CWK-DG001
Serial Number:	Prototype
Variant Model :	CWK-BSD01



Applicable Regulation: PART 15 Subpart B

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s) as described in the attached test report.

TESTED and CERTIFIED by:

Korea Standard Testlab

107-27, Jangdeokdong-gil, Namyang-eup, Hwasong-si,
Gyeonggi-do, Korea
Tel: +82-31-356-7333 Fax: +82-31-356-7303

Date of issue : June 24, 2020

Authorized Signature:

CLEARWIN KOREA Co., Ltd.



PRESIDENT / KIM YOO CHEOL



CONFORMANCE TEST REPORT

FCC CFR 47 PART 15

Test Report No.	:	KST-FEM-200045
Date of Issue	:	June 24, 2020
Model / Type No.	:	CWK-BG001
Variant Model / Type No.	:	CWK-BR001
Kind of Product	:	Clearwin
Applicant	:	Clearwin Korea Inc.
Applicant's Address	:	88 Jeonpa-ro, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea
Manufacturer	:	Same as above
Received Date	:	June 11, 2020
Test Period	:	Start : June 17, 2020 End : June 17, 2020
Test Result	:	☒ In Compliance ☐ Not in Compliance
Test Standards	:	FCC PART 15 Subpart B, Class B

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

Tested by

Reviewed By



Jong-han, Park
EMC Test Engineer



Dong-in, Youn
EMC Technical Manager



DOC

Declaration Of Conformity

We

CLEARWIN CO., LTD.

1112-2, HYUNDAI 41 TOWER, 293 MOKDONGDONG-RO,
YANGCHEON-GU, SEOUL, 07997, KOREA

DECLARE ON OUR SOLE RESPONSIBILITY THAT THE PRODUCT

KIND OF EQUIPMENT : HANDRAIL UV STERILIZER

TYPE-DESIGNATION : CW001

This EC-Declaration of conformity is following the provisions of EMC DIRECTIVE 2014/30/EU and RoHS DIRECTIVE 2011/65/EU.

It is confirmed that a sample of the product has been tested and found in conformity with below standard(s):

EMCD EN 61000-6-1: 2007
EN 61000-6-3: 2007 + A1: 2011 / AC: 2012

RoHSD EN 50581: 2012
IEC 62321-3-1: 2013

Detailed specification of the tested product shown in the following test Report(s):

EMC Test Report : ETLE160308.0225

RoHS Test Report : ETLRD160309.0038

Date of issue :

Authorized By :



CLEARWIN CO., LTD.
1112-2, HYUNDAI 41 TOWER, 293 MOKDONGDONG-RO,
YANGCHEON-GU, SEOUL, 07997, KOREA

특허증

CERTIFICATE OF PATENT

특허

Patent Number

제 10-1665676 호

출원번호

Application Number

제 10-2015-0085235 호

출원일

Filing Date

2015년 06월 16일

등록일

Registration Date

2016년 10월 06일



발명의 명칭 Title of the Invention

자가동력형 핸드레일 살균 장치

특허권자 Patentee

김유철(671007-*****)

경기도 안양시 동안구 경수대로 462,220동1704호(호계동,호계2차현대홈타운)

발명자 Inventor

등록사항란에 기재

위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.

This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



특허청

Korean Intellectual
Property Office

2019년 01월 04일



QR코드로 현재기준
등록사항을 확인하세요

특허청장

COMMISSIONER,

KOREAN INTELLECTUAL PROPERTY OFFICE

박원주

특허증

CERTIFICATE OF PATENT



특허

Patent Number

제 10-1725195 호

출원번호

Application Number

제 10-2015-0051762 호

출원일

Filing Date

2015년 04월 13일

등록일

Registration Date

2017년 04월 04일

발명의 명칭 Title of the Invention

핸드레일 부착형 출입자 정보 수집 장치

특허권자 Patentee

김유철(671007-*****)

경기도 안양시 동안구 경수대로 462,220동1704호(호계동,호계2차현대홈타운)

발명자 Inventor

등록사항란에 기재

위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.

This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



특허청

Korean Intellectual
Property Office

2019년 01월 04일



QR코드로 현재기준
등록사항을 확인하세요

특허청장

COMMISSIONER,
KOREAN INTELLECTUAL PROPERTY OFFICE

박원주

특허증

CERTIFICATE OF PATENT

특허

Patent Number

제 10-1839510 호

출원번호

Application Number

제 10-2015-0038133 호

출원일

Filing Date

2015년 03월 19일

등록일

Registration Date

2018년 03월 12일



발명의 명칭 Title of the Invention

에스컬레이터 또는 무빙워크 핸드레일 살균 장치 및 이를 포함하는 출입자 정보 수집 장치

특허권자 Patentee

김유철(671007-*****)

경기도 안양시 동안구 경수대로 462,220동1704호(호계동,호계2차현대홈타운)

발명자 Inventor

등록사항란에 기재

위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.

This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



특허청

Korean Intellectual
Property Office

2019년 01월 04일



QR코드로 현재기준
등록사항을 확인하세요

특허청장

COMMISSIONER,

KOREAN INTELLECTUAL PROPERTY OFFICE

박원주

United
States
of
America

To Promote the Progress



of Science and Useful Arts

The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Andres Ibanez
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



US010160622B2

(12) **United States Patent**
Kim et al.

(10) **Patent No.:** **US 10,160,622 B2**
(45) **Date of Patent:** **Dec. 25, 2018**

(54) **SELF-POWERED HANDRAIL STERILIZING DEVICE AND INFORMATION COLLECTING DEVICE USING HANDRAIL STERILIZING DEVICE**

(71) Applicant: **SOOKYOUNG A.L.D. CO., LTD.**,
Yangcheon-gu, Seoul (KR)

(72) Inventors: **Kyoung-Youn Kim**, Seoul (KR);
Chi-Young Kang, Incheon (KR);
Hyun-Seog Kim, Suwon-si (KR)

(73) Assignee: **SOOKYOUNG A.L.D. CO., LTD.**,
Yangcheon-gu, Seoul (KR)

(*) 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.: **15/559,261**

(22) PCT Filed: **Jan. 28, 2016**

(86) PCT No.: **PCT/KR2016/000954**
§ 371 (c)(1),
(2) Date: **Sep. 18, 2017**

(87) PCT Pub. No.: **WO2016/148389**
PCT Pub. Date: **Sep. 22, 2016**

(65) **Prior Publication Data**
US 2018/0099842 A1 Apr. 12, 2018

(30) **Foreign Application Priority Data**

Mar. 19, 2015 (KR) 10-2015-0038133
Jun. 16, 2015 (KR) 10-2015-0085235

(51) **Int. Cl.**
B65G 45/18 (2006.01)
B66B 23/04 (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **B66B 23/04** (2013.01); **A61L 2/08**
(2013.01); **A61L 2/18** (2013.01); **A61L 2/26**
(2013.01);

(Continued)

(58) **Field of Classification Search**
CPC **B66B 31/00**; **B66B 30/02**; **B65G 45/18**
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,934,512 A 6/1990 Lin et al.
7,854,313 B1 * 12/2010 Gotsche **B66B 31/02**
198/495

(Continued)

FOREIGN PATENT DOCUMENTS

KR 1019990027216 4/1999
KR 1020090045452 A 5/2009
(Continued)

OTHER PUBLICATIONS

International Search Report Corresponding to PCT/KR2016/000954 dated Jun. 7, 2016.

(Continued)

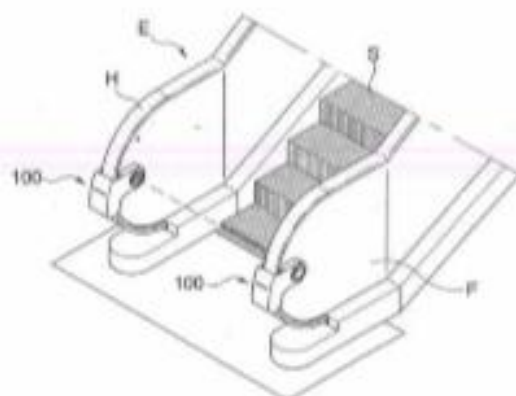
Primary Examiner — James R. Bidwell

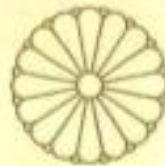
(74) *Attorney, Agent, or Firm* — Davis & Bujold PLLC;
Michael J. Bujold

(57) **ABSTRACT**

Disclosed herein are a self-powered type handrail sterilizing device and a device for collecting visitor information using the same. The self-powered type handrail sterilizing device includes: a housing having an opening fastened to a handrail of an escalator or a moving walk; a power unit installed at an inner side of the housing to convert a rotational motion depending on driving of the handrail into power; and a ultraviolet lamp module installed on an inner surface of the

(Continued)





実用新案登録証

(CERTIFICATE OF UTILITY MODEL REGISTRATION)

登録第 3 2 1 5 3 2 1 号

(REGISTRATION NUMBER)

考案の名称
(TITLE OF THE DEVICE)

自家動力型ハンドレール殺菌装置及びハンドレール殺菌装置を用いた出入者情報収集装置

実用新案権者
(OWNER OF
THE UTILITY MODEL RIGHT)

大韓民国、07997、ソウル、ヤンチョン
グ、モクドンドンーロ、293-804

国籍 大韓民国

スギョン エイ、アイ、ディ、カンバ
ニー、リミテッド

考案者
(CREATOR OF DEVICE)

キム キョンヨン
カン ジョン
キム ヒョンソク

出願番号
(APPLICATION NUMBER)

実願2018-600001

出願日
(FILING DATE)

平成28年 1月28日(January 28, 2016)

登録日
(REGISTRATION DATE)

平成30年 2月21日(February 21, 2018)

この考案は、登録するものと確定し、実用新案原簿に登録されたことを証する。
(THIS IS TO CERTIFY THAT THE UTILITY MODEL IS REGISTERED ON THE REGISTER OF THE JAPAN PATENT OFFICE.)

平成30年 2月21日(February 21, 2018)

特許庁長官
(COMMISSIONER, JAPAN PATENT OFFICE)

宗像直子





第 19125328 号

商标注册证

CLEAR
WIN

核定使用商品/服务项目（国际分类：35）

第 35 类：进出口代理；替他人推销；市场营销；为商品和服务的买卖双方提供在线市场；广告；为零售目的在通讯媒体上展示商品；广告宣传；商业信息代理；特许经营的商业管理；通过网站提供商业信息（截止）

注册人 秀景A.I.D股份有限公司
Sookyung a.i.d co.ltd.

注册人地址 首尔市阳川区木洞东路293，804号（木洞现代41 tower）
Seoul City, Yang -Cheon District, Mokdong East 293 Road No. 804
(Mokdong modern 41 tower)

注册日期 2017年03月28日 有效期至 2027年03月27日

局长

刘俊臣

发证机关





第 19125287 号

商 标 注 册 证

CLEAR
WIN

核定使用商品/服务项目（国际分类：11）

第 11 类：消毒设备；非医用紫外线灯；空气净化用杀菌灯；消毒碗柜；水消毒器；巴氏灭菌器；消毒器；水净化装置；便携式一次性消毒小袋；杀菌燃烧器（截止）

注 册 人 秀景A.I.D股份有限公司
Sookyung a.i.d co.ltd.

注册人地址 首尔市阳川区木洞东路293，804号（木洞现代41 tower）
Seoul City, Yang - Cheon District, Mokdong East 293 Road No. 804
(Mokdong modern 41 tower)

注册日期 2017年03月28日 有效期至 2027年03月27日

局

长

刘俊臣

发证机关



证书号第6014967号



实用新型专利证书

实用新型名称：一种自动力型手扶轨道杀菌设备

发 明 人：金京延

专 利 号：ZL 2016 2 0179249.8

专利申请日：2016年03月09日

专 利 权 人：秀景A.I.D 股份有限公司

授权公告日：2017年03月22日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年03月09日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。



局长
申长雨

申长雨

