



**LONBEST E-writing Blackboard**  
**Eco writing, Eco teaching.**



● ● ●  
*Serve Education, Benefit Future.*

**LONBEST E-writing Blackboard is an environmental friendly product that perfectly replaces traditional blackboards and whiteboards.**

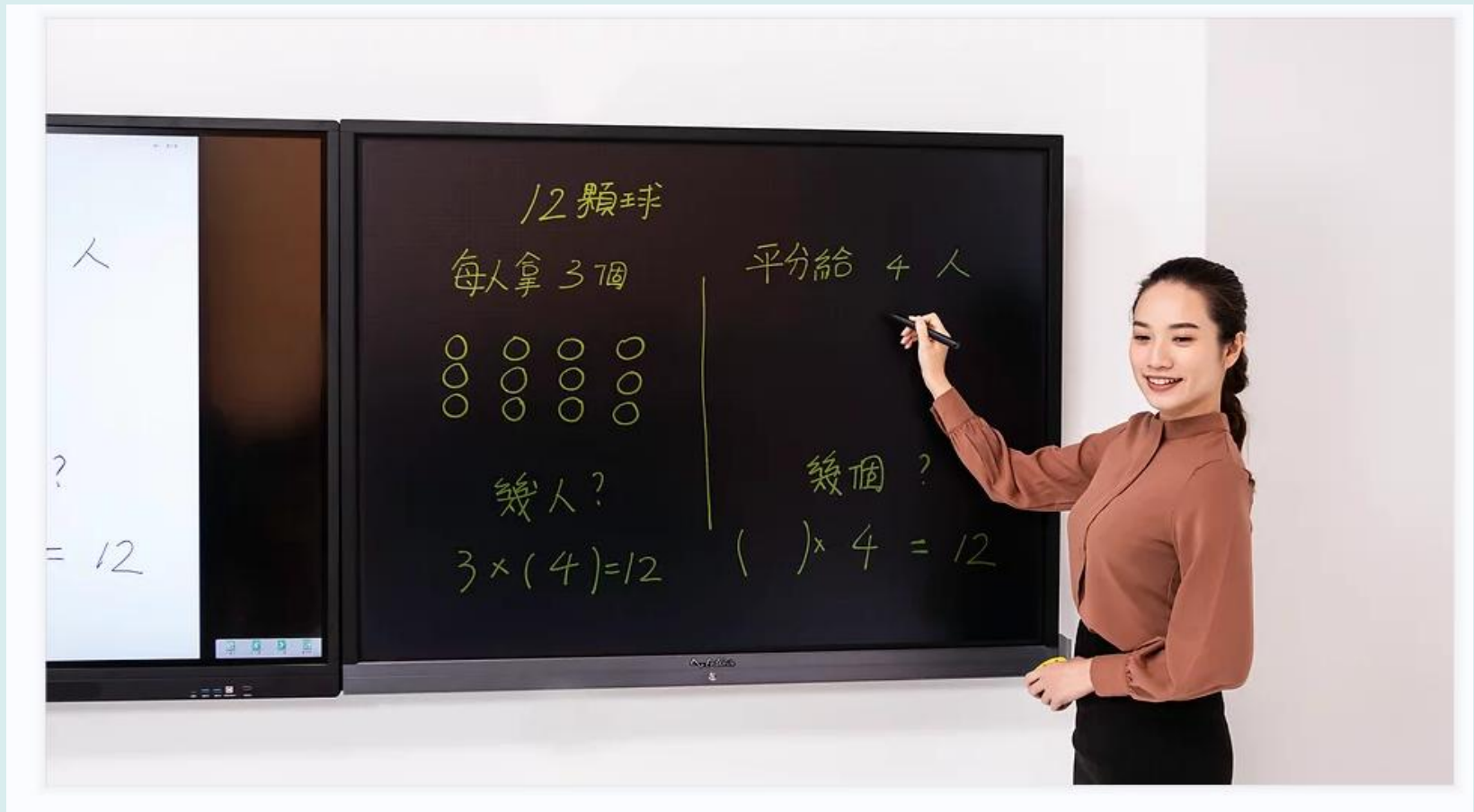
**No consumables needed, dust-free, green & healthy, gives no harm to the human body.**

**No backlight and light reflection to protect user's eyesight.**

**Handwriting with instant response and any objects hardness can be used.**

**Also, with storage function, the writing content could be saved in Interactive Touch Panel, Computer.**

**Allowing users to enjoy real handwriting experience with high-tech convenience.**





**Principle of writing:** Pressure sensitive writing, real handwriting experience, make writing totally different.

**Dust-free & Eco-friendly:** No consumables required, no need marker and chalk to write, any objects can be used as the writing tools, even your finger nail. No dust pollution, green and clean, good for uses' health.



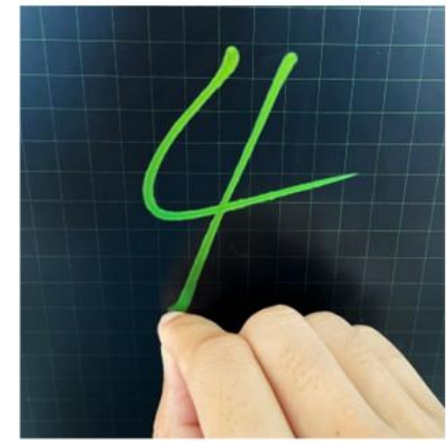
Equipped pen



Other pen



Other objects

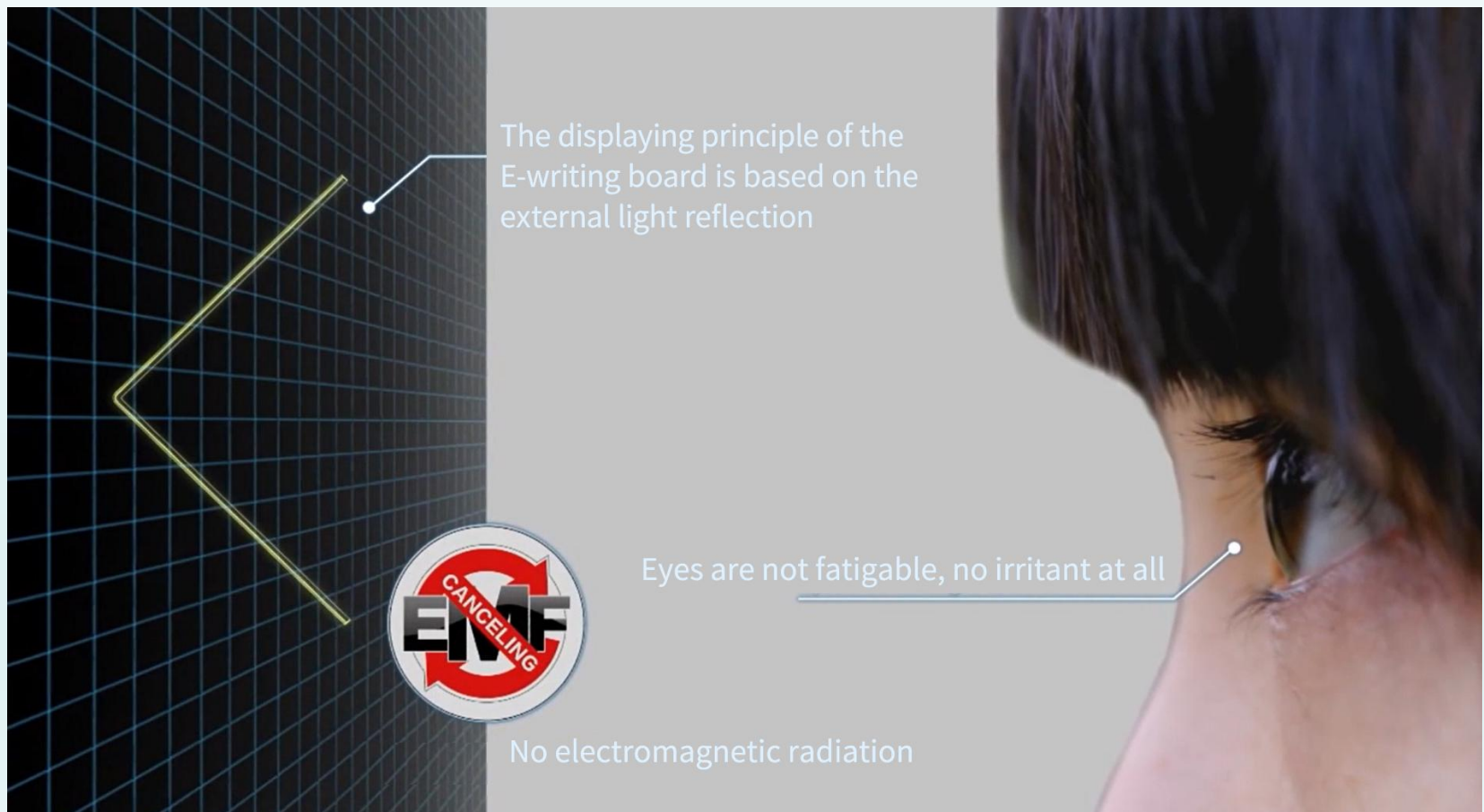


Fingernail



**No backlight & No radiation:** The handwriting is reflected by natural light, no blue light and radiation, even if you watch for long-time, no fatigue to eyes, protecting eyesight of students.

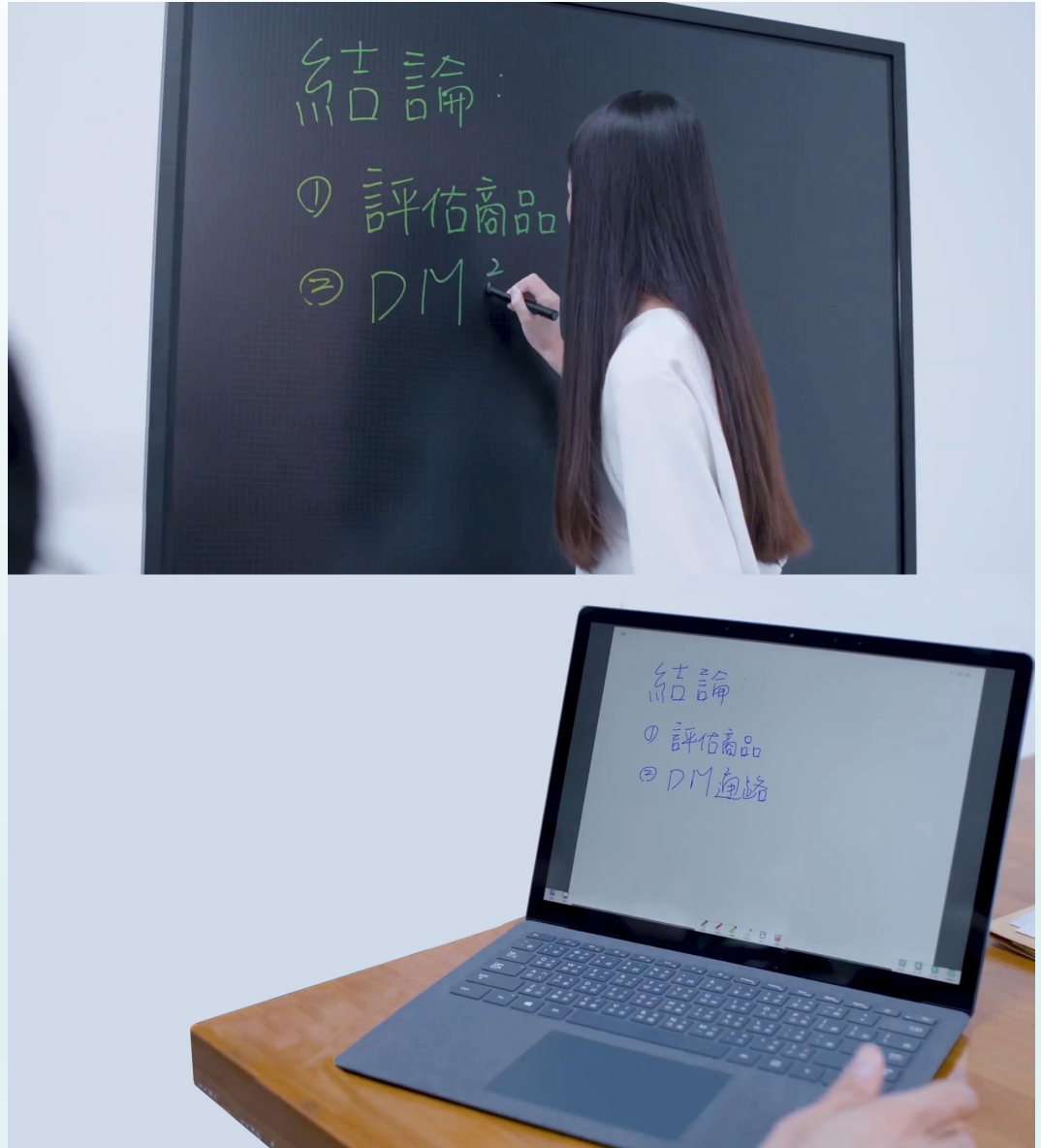
**Environment friendly & Energy saving:** No need any electric power while writing and display, only needs weak current while erasing. Build-in rechargeable lithium battery, it could used about 3 months after being fully charging.





**Synchronous transmission & saving:** The handwriting can be transferred to computer or interactive touch panel, can store data to PDF for sharing.

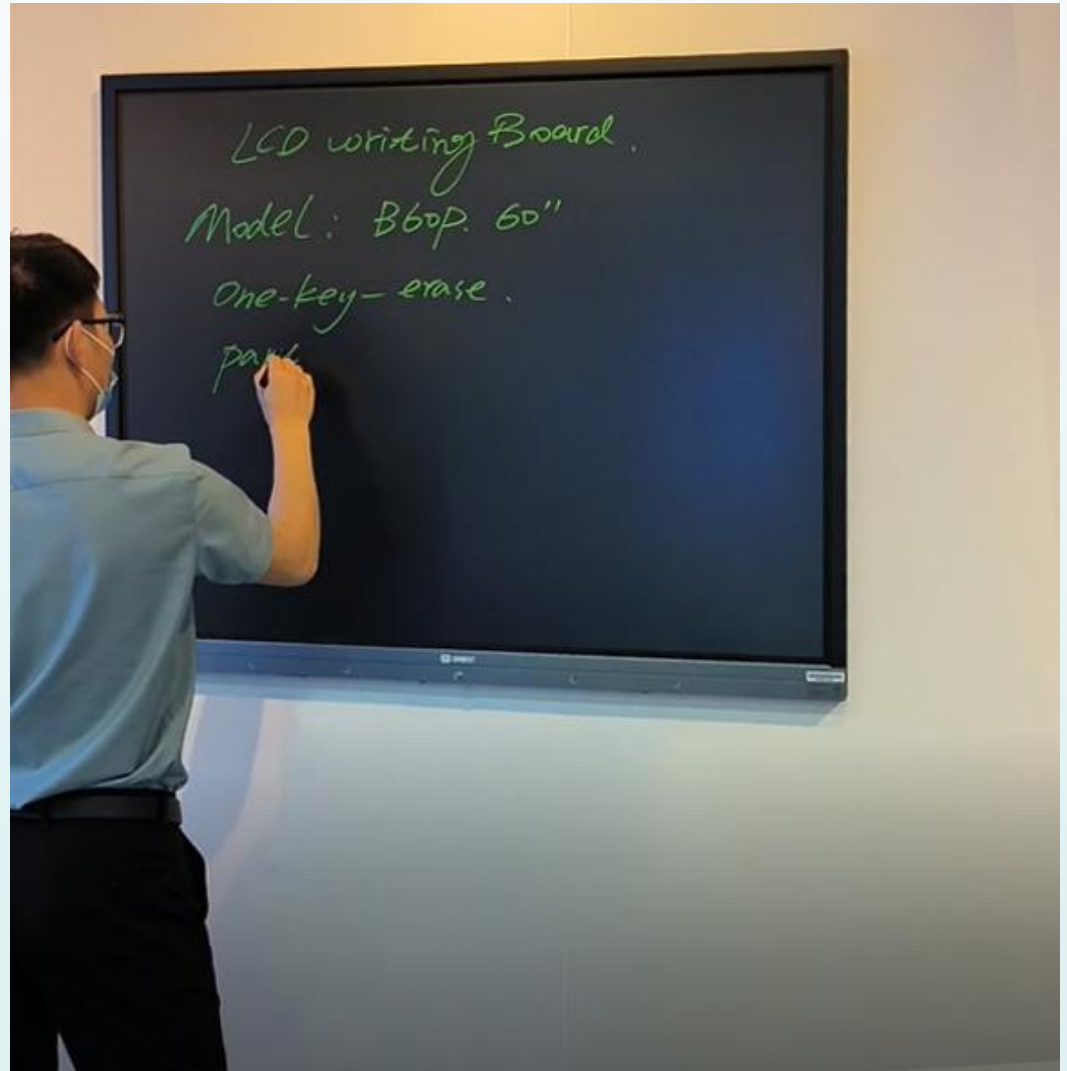
**Methods of Erase:** Two methods are provided, Partial-erase: Use the unique eraser to erase partial content optionally. One-key-erase: Press the erase button to erase whole content, it is very conveniently;





**Long viewing distance:** Clear & bright writing, the viewing distance is up to 30 meters, viewing angle up to 140 degrees.

**Handwriting with multiple users:** E-writing blackboard can be written by one or multiple users, enjoy writing and discussion with each other.





**Nice appearance:** Exquisite appearance with adjustable dimension, perfectly match with all kinds of Interactive Touch Panel, providing the best teaching solution to schools.



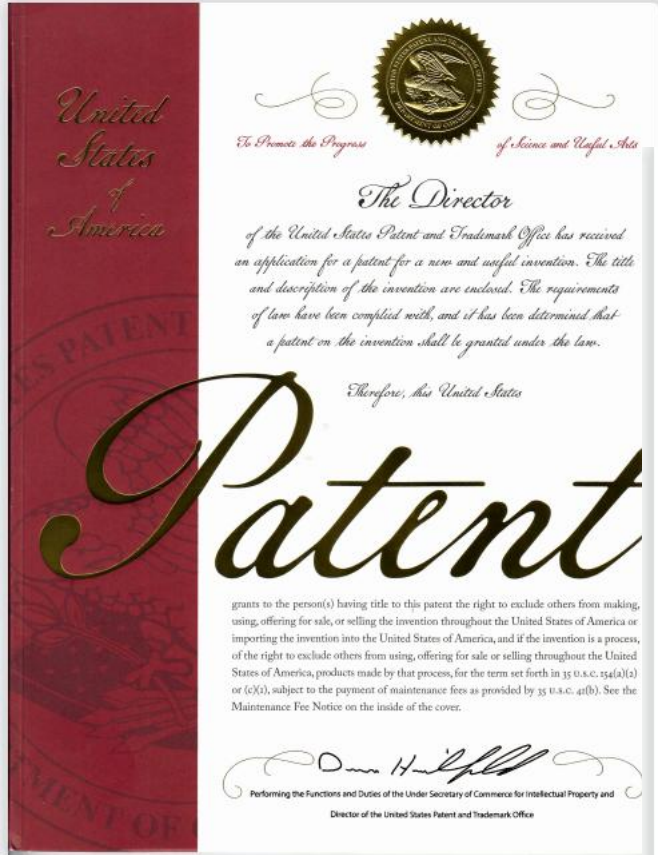
## Specification:



LONBEST E-writing Blackboard		
Model	LE60P	LE65P
Dimension	60" (1290*1028*29mm)	65" (1290*1158*29mm)
Match IWB size	75"	85"/ 86"
Display	Flexible liquid crystal molecular	
Writing tools	Equipped writing pen or any hard objects	
Erase method	One-key-erase and partial erase	
Frame material	Aluminum alloy	
Battery type	2600mAh (18650)	
Adapter Voltage	12V / 1A	
Installation Method	IWB adjustable mount	
Package Method	1 set / carton (1set = 2pcs)	



# Our Patents:



America

발송번호: 9-5-2021-078803887  
 발송일자: 2021. 10. 06.

수신 경기도 안산시 단원구 광덕서로 82, 309호  
 (고정동, 한남법조빌딩)(엔에이피국제특허법률사무소)  
 이경현 귀여(귀동) 15471

## 특허청 특허결정서

출원인 성명 신동 관베이사이트 에듀케이션 이큅먼트 그룹  
 (특허고객번호: 520190563917)  
 주소 중국 250132, 산둥, 지난 량징 다투트릭트, 인더스트리얼 노스 로드, 빌딩 88, 동두 인터내셔널 스퀘어, 빌딩 4, 플로어 10

대리인 성명 이경현  
 주소 경기도 안산시 단원구 광덕서로 82, 309호(고정동, 한남법조빌딩)(엔에이피국제특허법률사무소)

발명자 성명 리, 장보  
 주소 중국 250132, 산둥, 지난 량징 다투트릭트, 인더스트리얼 노스 로드, 빌딩 88, 동두 인터내셔널 스퀘어, 빌딩 4, 플로어 10

발명자 성명 쑤, 신리  
 주소 중국 250132, 산둥, 지난 량징 다투트릭트, 인더스트리얼 노스 로드, 빌딩 88, 동두 인터내셔널 스퀘어, 빌딩 4, 플로어 10

출원번호 10-2019-7034181  
 발명의 명칭 부분 삭제 가능한 액정 라이팅 필름, 부분 삭제 방법, 이중 전압 출력 회로 및 위치 결정 시스템  
 청구항 수 5

이 출원에 대하여 특허법 제88조에 따라 특허권결정합니다.  
 (특허권은 특허료를 납부하여 특허법 제87조에 따라 설명문목을 발함으로써 발생하게 됩니다.) 끝.

- [우선권주장]
- 우선권주장국가: CN, 우선권주장번호: 2018106702947 (우선권주장일자: 2018.06.26)
  - 우선권주장국가: CN, 우선권주장번호: 2018114559406 (우선권주장일자: 2018.11.30)
  - 우선권주장국가: CN, 우선권주장번호: 2018106716329 (우선권주장일자: 2018.06.26)
  - 우선권주장국가: CN, 우선권주장번호: 2018106680656 (우선권주장일자: 2018.06.26)
  - 우선권주장국가: CN, 우선권주장번호: 2018106689603 (우선권주장일자: 2018.06.26)
  - 우선권주장국가: CN, 우선권주장번호: 2018106707870 (우선권주장일자: 2018.06.26)
  - 우선권주장국가: CN, 우선권주장번호: 2018105414745 (우선권주장일자: 2018.05.30)
  - 우선권주장국가: CN, 우선권주장번호: 2018105419912 (우선권주장일자: 2018.05.30)
  - 우선권주장국가: CN, 우선권주장번호: 2018105954669 (우선권주장일자: 2018.06.11)
  - 우선권주장국가: CN, 우선권주장번호: 2018106215984 (우선권주장일자: 2018.06.15)

[참고문헌]

Republic of Korea

Innovation, Sciences et Développement économique Canada Office de la propriété intellectuelle du Canada		Innovation, Science and Economic Development Canada Canadian Intellectual Property Office	
<b>Avis du commissaire - Demande jugée acceptable</b> <b>Commissioner's Notice - Application Found Allowable</b>			
SMART & BIGGAR LLP CIPOMail@smartbiggar.ca		<b>Détails de l'avis</b> Notice Details	
		Date de l'avis / Notice Date:	2022-08-08
		N° de la demande / Application No.:	3,057,909
		Valeur n° de référence / Your Reference No.:	10628452
		Date d'échéance de l'avis / Notice Due Date:	2022-12-08
		Montant / Amount Due:	\$305.39 *
Date de dépôt / Filing Date: 2019-01-10			
Demandeur(s) / Applicant(s): SHANDONG LANBEISEITE EDUCATIONAL EQUIPMENT GROUP			
Inventeur(s) / Inventor(s): LI, QINGBO, SHI, XINLI			
Titre de l'invention / Title of the Invention: FILM D'ÉCRITURE A CRISTAUX LIQUIDES, METHODE D'EFFACEMENT PARTIEL, CIRCUIT DE SORTIE MULTITENSION ET SYSTEME DE POSITIONNEMENT CAPABLE D'EFFACEMENT PARTIEL			
Titre de l'invention / Title of the Invention: LIQUID CRYSTAL WRITING FILM, PARTIAL ERASING METHOD, MULTI-VOLTAGE OUTPUT CIRCUIT AND POSITIONING SYSTEM CAPABLE OF PARTIAL ERASING			
Révendications / Claims: 019			
Taxe pour pages en excès / Excess Pages Fee:			
Examen tel que modifié / Examined as amended: 2022-01-07			
Le présent avis du commissaire aux brevets vise à informer le demandeur que la demande de brevet a été jugée acceptable et que le paiement de la taxe finale réglementaire doit être fait au plus tard le 2022-12-08.		This is a Notice from the Commissioner of Patents to inform the applicant that the application for a patent has been found allowable and payment of the prescribed final fee is required before the end of 2022-12-08.	
Si la taxe finale n'est pas payée au plus tard le 2022-12-08, la demande sera réputée abandonnée.		If the final fee is not paid before the end of 2022-12-08, the application will be deemed to be abandoned.	
*Si la taxe est payée le 3 octobre 2022 ou après cette date, la taxe réglementaire sera plus élevée que le montant indiqué dans cet avis. Veuillez consulter le site web de l'OPIC concernant les taxes générales pour les brevets pour connaître le montant applicable.		*If the fee is paid on or after October 3, 2022 the prescribed fee will be more than the amount indicated on this notice. Please refer to the CIPD Patent Fees website for the amount applicable on the date of payment.	
https://www.ic.gc.ca/iche/le/cipo/eternet/interneopic.nsf/taxew00142.html		https://www.ic.gc.ca/iche/le/cipo/eternet/interneopic.nsf/enq/w00142.html	
Veuillez vous assurer de l'exactitude des renseignements au dossier avant de faire le paiement de la taxe finale, car peu de modifications sont autorisées après le paiement de la taxe finale et après la délivrance d'un brevet.		Please ensure the accuracy of the information on file before payment of the final fee as there are limited modifications that are allowed after payment of the final fee and post grant.	
Références pertinentes: * s. 86(1) des Règles sur les brevets		Relevant references: * s. 86(1) of the Patent Rules	
Pour de plus amples renseignements concernant cet avis ou la façon de rétablir une demande de brevet abandonnée, veuillez consulter le fichier des pratiques du Bureau des brevets (RPBB) accessible au Canada.ca/brevets ou téléphonez au 1 819 997-2639.		For more information regarding this notice or on how to reinstate an abandoned patent application, please refer to the Manual of Patent Office Practice (MPOP) at canada.ca/patents or phone 1-819-997-2639.	
OCT017 July 2022			
50, rue Victoria 50 Victoria Street		• Place du Portage 1 • Gatineau (Québec) K1A 0G9 • www.opic.ic.gc.ca • Place du Portage 1 • Gatineau, Quebec K1A 0G9 • www.opic.ic.gc.ca	

Canada



# Our Patents:

证书号第 4581965 号




## 发明专利证书

发明名称: 液晶书写膜局部擦除电压生成及控制方法

发明人: 李清波; 史新立

专利号: ZL 2018 1 0621598.4

专利申请日: 2018年06月15日

专利权人: 山东蓝贝思特教育集团股份有限公司  
山东蓝贝易书信息科技有限公司

地址: 250132 山东省济南市历城区工业北路 88 号东都国际广场 4 号楼 10 层

授权公告日: 2021年07月30日 授权公告号: CN 110147171 B

国家知识产权局依照中华人民共和国专利法进行审查, 决定授予专利权, 颁发发明专利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, 专利权期限为二十年, 自申请日起算。

专利登记簿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



第 1 页 (共 2 页)

其他事项参见续页

China

Australian Government  
IP Australia

## CERTIFICATE OF GRANT STANDARD PATENT

Patent number: 2019236746

The Commissioner of Patents has granted the above patent on 18 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):  
Shandong Lantekle Educational Equipment Group of 10th Floor, Building 4, Dongdu International Square, No.88, Industrial North Road, Licheng District, Jinan Shandong 250132 China

Title of invention:  
Liquid crystal writing film, partial erasing method, multi-voltage output circuit and positioning system capable of partial erasing

Name of inventor(s):  
Li, Qingbo and Shi, Xinli

Term of Patent:  
Twenty years from 10 January 2019

Priority details:

Number	Date	Filed with
2018106702947	26 June 2018	CN
2018114559406	30 November 2018	CN
2018106716329	26 June 2018	CN
2018106689656	26 June 2018	CN
2018106689603	26 June 2018	CN
2018106707870	26 June 2018	CN
2018105414745	30 May 2018	CN
2018105419912	30 May 2018	CN
2018105954969	11 June 2018	CN
2018106215984	15 June 2018	CN

Dated this 18<sup>th</sup> day of November 2021  
Commissioner of Patents



PATENTS ACT 1990  
The Australian Patent Register is the official record and should be referred to for the full details pertaining to this IP Right.

Australia

整理番号: 381133 発送番号: 381133 発送日: 令和 4年 8月 2日 1  
特許庁 特許審判部

特許出願の番号 特願 2019-564923  
起案日 令和 4年 7月 29日  
特許庁審査官 鈴木 俊光 1949 2100  
発明の名称 部分消去可能な液晶書き込みフィルム、部分消去方法、多電圧出力回路及び位置決めシステム

請求項の数 1  
特許出願人 山東藍貝思特教育集团▲分▼有限公司  
代理人 有馬 百子

この出願については、拒絶の理由を見ないから、特許査定をします。

---

上記はファイルに記録されている事項と相違ないことを認証する。  
認証日 令和 4年 8月 1日 経済産業事務官 佐藤 隆

注意: この書面を受け取った日から 30日以内に特許料の納付が必要  
です。

Japan

# Our Certificates:

**Shenzhen Global Test Service Co., Ltd.**  
**Declaration of Conformity**  
 Certification number: GTSD2020068011-1  
 Issue date: Nov.20, 2020

In accordance with the following Applicable Directives:  
 2014/53/EU  
 Electromagnetic Compatibility

The test results are traceable to the international or national standards.  
**Applicant:** Shandong Lambdiate Educational Equipment Group  
 F10,Building No. 4, Dongdu International Square, No. 88, Gongye Bei Road, Licheng District, Jinan.

**Manufacturer:** Shandong Lambdiate Educational Equipment Group  
 F10,Building No. 4, Dongdu International Square, No. 88, Gongye Bei Road, Licheng District, Jinan.

**Equipment under test:** LONBEST Innovative Blackboard  
 B60, B60A, B60P, B60AT, B65, B65A, B65P, B65AT, L690, L690A, L690P, L690AT, L695, L695A, L695P, L695AT

**Model number:** B60, B60A, B60P, B60AT, B65, B65A, B65P, B65AT, L690, L690A, L690P, L690AT, L695, L695A, L695P, L695AT

Applied Standards and Test Reports	
EN 55032:2015 + AC:2016-07	GTS2020068011-1-1
EN 55035:2017	
EN 61000-3-2:2014/EN 61000-3-3:2013	

**Laboratory Name:** Shenzhen Global Test Service Co., Ltd.  
 No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmuyu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong  
 Tel: 0755-28717088 Fax: 0755-28717111  
 Http://www.gtcert.com E-mail: gts@gtcert.com

Authorized by:

**SGS**

**Verification Report**  
 No. TA0EC2101302001 Date: 01 Jun 2021 Page 1 of 193

SHANDONG LAMBDIATE EDUCATIONAL EQUIPMENT GROUP  
 F10, BUILDING NO. 4, DONGDU INTERNATIONAL SQUARE, NO. 88, GONGYE BEI ROAD, LICHENG DISTRICT, JINAN.

**Sample Name:** LONBEST INNOVATIVE BLACKBOARD  
**SGS Job No.:** QP21-000864-QD  
**Model No.:** B60P  
**Client Ref. Information:** B18A,B60A,B60A,B60AT,B65,B65A,B65P,B65AT,L690,L690A,L690P, L690AT,L695,L695A,L695P,L695AT

**Date of Sample Received:** 25 Mar 2021  
**Verification Period:** 25 Mar 2021 - 28 May 2021  
**Verification Requested:** With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU  
**Verification Method:** Please refer to next page(s).  
**Verification Result:** Please refer to next page(s).  
**Verification Conclusion:** Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polyaromatic hydrocarbon (PbBBA, Polyaromatic dihydroxy ethers (PDS-CE)) and Phthalates such as Bis(p-ethylhexyl) phthalate (DHPH), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of:  
 SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

**Shenzhen Global Test Service Co., Ltd.**  
**Supplier's Declaration of Conformity**  
 Certification number: GTS2020068011-1-2  
 Issue date: Nov.20, 2020

The equipment was tested and complies with the requirements of:  
 87/CEP/EEC Part 15 Subpart B (Class B)

**ANSI C63.4:2014**

The test results are traceable to the international or national standards.  
**Applicant:** Shandong Lambdiate Educational Equipment Group  
 F10,Building No. 4, Dongdu International Square, No. 88, Gongye Bei Road, Licheng District, Jinan.

**Manufacturer:** Shandong Lambdiate Educational Equipment Group  
 F10,Building No. 4, Dongdu International Square, No. 88, Gongye Bei Road, Licheng District, Jinan.

**Equipment under test:** LONBEST Innovative Blackboard

**Model number:** B60, B60A, B60P, B60AT, B65, B65A, B65P, B65AT, L690, L690A, L690P, L690AT, L695, L695A, L695P, L695AT

**Listed Model:** B60, B60A, B60P, B60AT, B65, B65A, B65P, B65AT, L690, L690A, L690P, L690AT, L695, L695A, L695P, L695AT

**Laboratory Name:** Shenzhen Global Test Service Co., Ltd.  
 No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmuyu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong  
 Tel: 0755-28717088 Fax: 0755-28717111  
 Http://www.gtcert.com E-mail: gts@gtcert.com

Authorized by:

**KC**

Shenzhen Global Test Service Co., Ltd.  
 No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmuyu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong  
 Tel: 0755-28717088 Fax: 0755-28717111  
 Http://www.gtcert.com E-mail: gts@gtcert.com

**BSMI**

**CE**

016-1161-4828-2726

**방송통신기자재등의 적합등록 증명**  
 Registration of Broadcasting and Communication Equipments

상호 또는 상품명 Trade Name or Register	(주) 아이비전
기자재명칭(제품명칭) Equipment Name	LCD righting board
기부부호 Equipment code	IM061
기본모델명 Basic Model Number	ALB
부품모델명 Series Model Number	ALB5A, ALB6A, ALB4A, ALB6C, ALB6B
등록번호 Registration No.	B-R-AVV-ALB
제조사-제조국가 Manufacturer/Origin	(주) 아이비전 / 한국
등록연월일 Date of Registration	2020-11-20
기타 Others	

이 기자재는 「전기법 제53조」 제1항에 따라 등록의무를 증명합니다.  
 It is verified that foregoing equipment has been registered under the Clause 3, Article 53-2 of Radio Waves Act.

2020년 (Year) 11월 (Month) 20일 (Day)

국립전파연구원장

Director General of National Radio Research Agency

**RoHS**

**TAF**

**經濟部標準檢驗局**  
 BUREAU OF STANDARDS, METROLOGY AND INSPECTION  
 MINISTRY OF ECONOMIC AFFAIRS  
 商品檢驗登錄電子證書  
 CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼: CI460000940025 號 A0  
 Certificate No. 460000940025 號 A0

登錄  
 定: 電子登錄並使用商品安全標章及識別號碼: 登錄結果符合規定, 其登錄事項如下:  
 The application made by: 登豐有限公司 for Registration of Product Certification has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the Product Safety Mark and the Identification No. Details of the registration are as follows:

申請人: 登豐有限公司 統一編號: 83574283  
 Applicant: 登豐有限公司  
 地址: 桃園市桃園區北埔里莊二街203號1樓  
 Address:  
 生產廠場: 詳如附表  
 Factory:  
 廠址: 詳如附表  
 Factory Address:

商品標號名稱:  
 Trade name of product  
 商品分類號別: 8471.80.90.80-3  
 C.C.C Code  
 中文名稱: 液晶電子黑板  
 Chinese name:  
 英文名稱:  
 English name:  
 型 式: B60P  
 Type:  
 系列型式: B60A, L690P (以下空白)  
 Series of the type:  
 依據標準: CNS13438 (95年), CNS14330-1 (99年), 符合CNS 15603第5類「含有標章」規定 (102年版)  
 Standards

標準檢驗局發證 (發證地址: 100台北市中正區濟南路1段1樓)  
 Issued certificate by Bureau of Standards, Metrology and Inspection (Issued Address: 100 Taipei, Sec. 1, Zhongzheng Rd., 1st Fl., Taiwan)  
 本證書以電子文件行之, 所填內容如有不符之處, 以標準局電腦資料為主, 查驗時資料  
 This certificate is issued in electronic form. In case of any discrepancy in the content, the computer data of the Bureau of Standards, Metrology and Inspection shall prevail. Please check the data when inspecting.  
 登錄日期: 中華民國 110 年 04 月 15 日  
 Registration date: 110 (year) 04 (month) 15 (day)  
 本證書有效期至: 113 年 04 月 14 日  
 The certificate is valid until: 113 (year) 04 (month) 14 (day)  
 登錄日期: 中華民國 110 年 07 月 01 日  
 Date of issue: 110 (year) 07 (month) 01 (day)  
 註1: 請本證書出口時檢附本證書, 並以此為準與本證書英文版一致。  
 Note 1: When exporting this certificate, please attach this certificate and use the English version as the standard.  
 註2: 本證書與檢驗局註冊商標均為有效11月30日, 逾期未換領者, 將限期地區內未換領, 將被視為廢止。  
 Note 2: This certificate and the registration mark of the Bureau of Standards, Metrology and Inspection are both valid until November 30, 2021. If not renewed in time, it will be deemed invalid in the local area.  
 註3: 本證書僅代表完成檢驗程序, 不作為其他用途證明。  
 Note 3: This certificate only represents the completion of the inspection procedure and is not used as proof for other purposes.

申請序號: S4280909111007002 第 1 頁 / 共 2 頁

**FCC**

*Application case:*

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