

UNITED STATES PATENT AND TRADEMARK OFFICE

---

BEFORE THE PATENT TRIAL AND APPEAL BOARD

---

WILLIS ELECTRIC CO., LTD.,  
Petitioner,

v.

POLYGROUP MACAU LTD. (BVI),  
Patent Owner.

---

Case IPR2017-00331<sup>1</sup>  
U.S. Patent No. 9,119,495 B2

---

**PATENT OWNER POLYGROUP'S NOTICE OF APPEAL**

via PTAB E2E  
Patent Trial and Appeal Board

via Mail Service  
Office of the Solicitor  
United States Patent and Trademark Office Mail Stop 8  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

via CM/ECF  
United States Court of Appeals for the Federal Circuit

---

<sup>1</sup> IPR2017-00332 has been consolidated into IPR2017-00331.

Please take notice that under 35 U.S.C. §§ 141(c), 142, 319, 37 C.F.R. §§ 90.2(a), 90.3(a), and Federal Rules of Appellate Procedure/Federal Circuit Rule 4(a)(1)(C), Patent Owner Polygroup Macau Limited BVI (“Polygroup”) hereby appeals to the United States Court of Appeals for the Federal Circuit from the Final Written Decision entered on May 7, 2018 (the “Final Written Decision”) (Paper 45) in IPR2017-00331, an *inter partes* review of United States Patent No. 9,119,495 B2 based on the “Decision Granting Institution of Inter Partes Review” document entered on May 9, 2017 (Paper 11).

In accordance with 37 C.F.R. § 90.2(a)(3)(ii), Polygroup’s non-exclusive list of possible issues on appeal include (i) the Board’s claim construction of the term “female end”; (ii) the Board’s claim construction of the term “channel void”; (iii) the Board’s claim construction of the term “plurality of configurations [locations]”; (iv) the Board’s claim construction of the term “vertically extending section”; (v) the Board’s finding that *Chen* provisional application was properly incorporated by reference and publicly available as of the publication of the application resulting in the *Chen* patent (i.e., March 29, 2012); (vi) the Board’s finding that independent claims 1 and 11 are unpatentable as obvious over (1) *Chen*’s non-provisional disclosure alone or in combination with *Geisthoff*, or (2) the *Chen* provisional application; (vii) the Board’s finding that dependent claims 2-6, 9, 10, 12-16, and 20 are unpatentable as obvious over (1) *Chen*’s non-provisional application alone or

also in combination with *Geisthoff* and (2) *Chen*'s provisional application; (viii) the Board's finding that claims 7, 8, 17-19, and 21-30 are unpatentable as obvious over (1) *Chen*'s non-provisional application alone or also in combination with *Geisthoff* and (2) *Chen*'s provisional application; and (ix) any findings or determinations supporting or related to the aforementioned issues, including but not limited to, the Board's definition of a person of ordinary skill in the art, the Board's determinations about the knowledge of a person of ordinary skill in the art at the time of the invention, the adequacy of the rationales to combine the art presented, as well as all other issues decided adversely to Polygroup in any orders, decisions, rulings, phone conference decisions, and/or opinions.

Simultaneously with this submission, Polygroup is filing a true and correct copy of this Notice of Appeal with the Director of the United States Patent and Trademark Office and a true and correct copy of the same, along with the required docketing fee, with the Clerk of the United States Court of Appeals for the Federal Circuit as set forth in the accompanying Certificate of Filing.

Once the present appeal is docketed, Polygroup respectfully requests that the Federal Circuit consolidate this appeal with the concurrently filed appeals of related inter partes review proceedings for United States Patent No. 8,863,416 B2, IPR2017-00309 and United States Patent No. 8,959,810 B1, IPR2017-00334.

Respectfully submitted,

/Christopher J. Forstner/

Date: July 6, 2018

Christopher J. Forstner, Reg. No. 46,049

Alexis N. Simpson, Reg. No. 63,686

Robert A. Angle, admitted *pro hac vice*

Dabney J. Carr IV, admitted *pro hac vice*

Troutman Sanders LLP

600 Peachtree Street NE, Suite 3000

Atlanta, GA 30308

***Attorneys for Patent Owner, Polygroup***

**CERTIFICATE OF FILING**

The undersigned hereby certifies that, in addition to being electronically filed through PTAB E2E, a true and correct copy of the above-captioned ***Patent Owner Polygroup's Notice of Appeal*** is being filed by mail with the Director on July 6, 2018, at the following address:

Office of the Solicitor  
United States Patent and Trademark Office Mail Stop 8  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

The undersigned also hereby certifies that a true and correct copy of the above-captioned ***Patent Owner Polygroup's Notice of Appeal*** and the filing fee is being filed via CM/ECF with the Clerk's Office of the United States Court of Appeals for the Federal Circuit on July 6, 2018.

Respectfully submitted,

/Christopher J. Forstner/

Christopher J. Forstner, Reg. No. 46,049  
Alexis N. Simpson, Reg. No. 63,686  
Robert A. Angle, admitted *pro hac vice*  
Dabney J. Carr IV, admitted *pro hac vice*  
Troutman Sanders LLP  
600 Peachtree Street NE, Suite 3000  
Atlanta, GA 30308

Date: July 6, 2018

***Attorneys for Patent Owner, Polygroup***

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that the foregoing *Patent Owner Polygroup's Notice of Appeal* was served electrically via e-mail on July 6, 2018 in its entirety on the following counsel of Petitioner:

Larina A. Alton  
Luke D. Toft  
Fox Rothschild LLP  
222 South Ninth Street, Suite 2000  
Minneapolis, MN 55402  
lalton@foxrothschild.com  
ltoft@foxrothschild.com

Douglas J. Christensen  
Christensen Fonder Dardi  
33 South Sixth Street, Suite 3950  
Minneapolis, MN 55402  
christensen@cfid-ip.com

Respectfully submitted,

/Christopher J. Forstner/  
Christopher J. Forstner, Reg. No. 46,049  
Alexis N. Simpson, Reg. No. 63,686  
Robert A. Angle, admitted *pro hac vice*  
Dabney J. Carr IV, admitted *pro hac vice*  
Troutman Sanders LLP  
600 Peachtree Street NE, Suite 3000  
Atlanta, GA 30308

Date: July 6, 2018

*Attorneys for Patent Owner, Polygroup*