

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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YMAX CORPORATION,  
Petitioner

v.

FOCAL IP, LLC,  
Patent Owner

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Case IPR2016-01256  
U.S. Patent No. 8,155,298

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**PETITIONER'S REPLY TO PATENT OWNER'S PRELIMINARY  
RESPONSE PURSUANT TO 37 C.F.R. § 42.108(c)**

{40013004;2}

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## I. INTRODUCTION

Pursuant to the Board's e-mail on November 9, 2016, Petitioner respectfully submits this Reply to address Patent Owner's arguments concerning disclaimer of claim scope.

Claim 1 of the '298 patent uses the phrase "switching facilities" several times, including in the limitation "the web-enabled processing system coupled to at least one of the switching facilities." Patent Owner argues that the applicants disclaimed processing systems (controllers) that are connected to edge switches.<sup>1</sup> It further argues that the construction of "switching facility" should therefore exclude edge switches, notwithstanding the phrase's plain meaning of "any switch in the communication network." *See* Prelim. Resp. at 1, 14–41; Petition at 20-24.

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<sup>1</sup> Patent Owner also argues that applicants disclaimed controllers that are edge devices. However, per the Patent Owner, "an edge device is a device connected to an edge switch." Prelim. Resp. at 9. Thus, there appears to be no substantive difference between a controller connected to an edge switch and a controller that is an edge device. Therefore, Petitioner's arguments in this Reply regarding "edge switch" disclaimer also apply to "edge device" disclaimer.

However, to effectuate a disclaimer of claim scope, the disavowal in the specification or prosecution history must be “clear and unmistakable.” *Thorner v. Sony Computer Ent. Am. LLC*, 669 F.3d 1362, 1366-67 (Fed. Cir. 2012). The specification here expressly discloses two embodiments. The first describes the controller as merely “connected to the PSTN,” without restriction regarding the connection. It is only the second (albeit preferred) embodiment that more narrowly specifies that the controller is “connected internally to the PSTN,” that is, “[c]onnect[ed] directly to the PSTN tandem switch....” Ex. 1001 at 3:7-28.

Likewise, although the applicants argued in the prosecution history that their architecture differs from that in Schwab where calls are routed via an edge switch, in their very next breath, applicants define “switching facilities” in a footnote to broadly encompass “*Any point in the switching fabric* of converging networks, also referred to in industry as a signal transfer point (STP), signal control point (SCP), session border controller (SBC), gateway, access tandem, class 4 switch, wire center, toll office, toll center, *PSTN switching center*, intercarrier connection point, trunk gateway, *hybrid switch, etc.*” Ex. 2005 at 81-82, 82 n.1 (emphases added). That broad definition with its open-ended list of examples that include a “hybrid switch” (which is a combination class 4/tandem *and class 5/edge switch*) is contrary to a “clear and unmistakable” disclaimer of edge switches.

Because applicants chose to use the broad phrase “switching facility” in their claims and did not unambiguously exclude the possibility of that facility being an edge switch, Patent Owner has failed to prove the existence of a disclaimer that narrows the scope of the phrase from its plain meaning.

## II. THE STANDARD FOR CLAIM SCOPE DISCLAIMER

As the Federal Circuit has explained, the standard for finding a disclaimer of claim scope is “exacting.” *GE Lighting Solutions, LLC v. AgiLight, Inc.*, 750 F.3d 1304, 1309 (Fed. Cir. 2014). Disavowal does not arise merely by criticizing a particular embodiment that is encompassed in the plain meaning of a claim term. *See Epistar Corp. v. Int’l Trade Comm’n*, 566 F.3d 1321, 1335 (Fed. Cir. 2009). Nor is it enough that all the embodiments of the invention disclosed in the specification contain a particular limitation. *Thorner v. Sony Computer Ent. Am. LLC*, 669 F.3d 1362, 1366 (Fed. Cir. 2012). Rather, a disclaimer of claim scope must be “*clear and unmistakable.*” *Id.* at 1366-67 (emphasis added); *see also Openwave Systems, Inc. v. Apple Inc.*, 808 F.3d 509, 513 (Fed. Cir. 2015) (disavowal must be, among other things, “so unmistakable as to be *unambiguous* evidence of disclaimer.”) (emphasis added); *LG Electronics, Inc. v. Advanced Micro Devices, Inc.*, Case IPR2015-00324, Paper 39 at 17 (PTAB May 23, 2016).

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