

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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GLOBAL TEL\*LINK CORPORATION,  
Petitioner,

v.

SECURUS TECHNOLOGIES, INC.,  
Patent Owner.

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Case IPR2014-00749  
Patent 8,577,003 B2

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Before KEVIN F. TURNER, BARBARA A. BENOIT, and  
GEORGIANNA W. BRADEN, *Administrative Patent Judges*.

BENOIT, *Administrative Patent Judge*.

FINAL WRITTEN DECISION  
*35 U.S.C. § 318(a) and 37 C.F.R. § 42.73*

## I. INTRODUCTION

We have jurisdiction to hear this *inter partes* review under 35 U.S.C. § 6(c). This Final Written Decision is issued pursuant to 35 U.S.C. § 318(a) and 37 C.F.R. § 42.73. For the reasons that follow, we determine that Petitioner has shown by a preponderance of the evidence that claims 1–14 of U.S. Patent No. 8,577,003 B2 (Ex. 1001; “the ’003 patent”) are unpatentable.

### A. Procedural History

Global Tel\*Link Corporation (“Petitioner”) filed a Petition (Paper 1; “Pet.”) for an *inter partes* review of claims 1–14 (“the challenged claims”) of the ’003 patent. Patent Owner, Securus Technologies, Inc., filed a Preliminary Response opposing institution of a review. On September 17, 2014, pursuant to 35 U.S.C. § 314(a), we instituted an *inter partes* review for claims 1–14 of the ’003 patent as unpatentable under 35 U.S.C. § 103(a) over the following references.

Reference(s)	Claims Challenged
Spadaro <sup>1</sup>	1–4 and 8–11
Spadaro and Hodge <sup>2</sup>	4–7 and 11–14

Paper 6 (“Inst. Dec.”) 22.

Subsequent to institution, Patent Owner filed a Patent Owner Response (Paper 12; “PO Resp.”), and Petitioner filed a Reply (Paper 16;

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<sup>1</sup> U.S. Patent No. 7,505,406 B1, issued Mar. 17, 2009, filed July 13, 2001 (Ex. 1004; “Spadaro”).

<sup>2</sup> U.S. Patent No. 7,333,798 B2, issued Feb. 19, 2008, filed Aug. 8, 2002 (Ex. 1005; “Hodge”).

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“Reply”). Patent Owner filed observations on the cross-examination of Petitioner’s declarant (Paper 20), to which Petitioner filed a response (Paper 21).

An oral hearing was held on June 4, 2015.<sup>3</sup>

### *B. Related Matters*

A Final Written Decision in an *inter partes* review of a related patent—U.S. Patent No. 7,899,167 B1 (IPR2014-00493)—is being issued concurrently with this decision. *See* Paper 4 (Related Matters). *Inter partes* reviews of related patents—U.S. Patent No. 8,340,260 B1 (IPR2014-00824), and U.S. Patent No. 7,529,357 B1 (IPR2014-00825)—are pending. *Id.*

### *C. The '003 Patent*

The '003 patent, titled “Centralized Call Processing,” issued November 5, 2013 from an application that is a continuation of an application filed August 15, 2003. The '003 patent describes a centralized architecture for call processing that uses Voice over Internet Protocol (“VoIP”) to carry calls from a location at which calling services are provided to a centralized call processing platform. Ex. 1001, Abstract, 1:41–43, 3:18–20. The call processing platform serves multiple facilities and provides, for example, calling party identification, call validation, call routing, and connection to the public switched telephone network (PSTN) or a digital

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<sup>3</sup> At the joint request of the parties, the oral arguments for this proceeding and IPR2014-00493 were conducted at the same time. Paper 26, 2. A transcript of the oral hearing is included in the record as Paper 27.

network. *Id.* at Abstract, 8:41–45. The call processing platform may be used to provide calling services to prison facilities. *Id.* at 5:57–60.

Figure 1 of the '003 patent is set forth below:

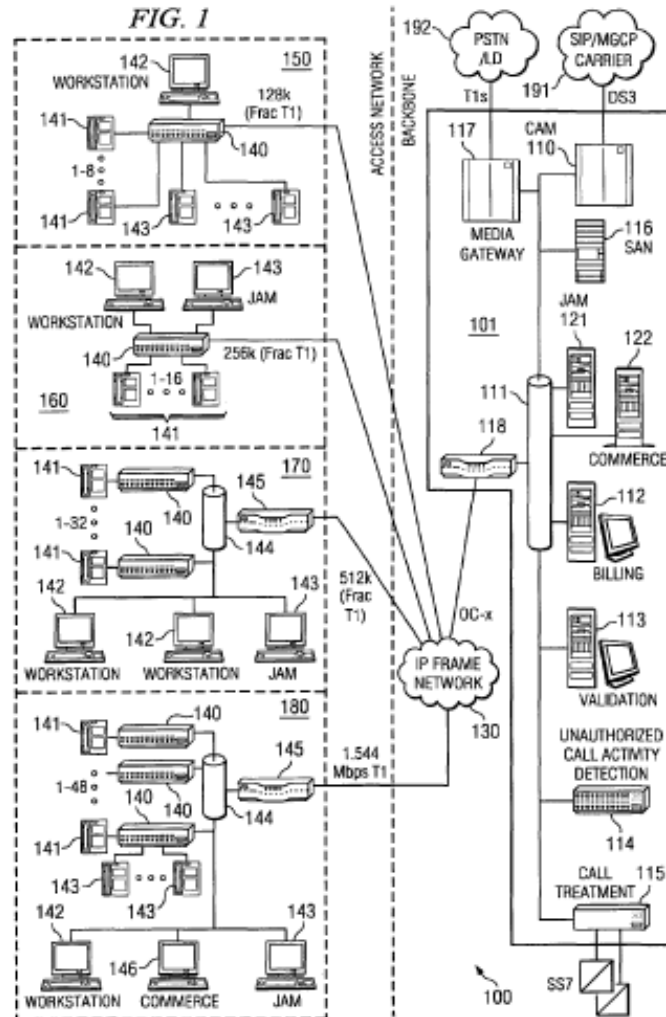


Figure 1 illustrates call processing system 100.

Call processing system 100 includes call processing platform 101, which communicates with facilities 150, 160, 170, 180 through network 130. *Id.* at 5:45–48. Call processing gateways 140, at or near each facility 150, 160, 170, 180, convert analog signals associated with telephone

terminals 141 (or visitation telephones 143) to digital data packets sent over network 130. *Id.* at 6:14–18.

Call processing platform 101 includes, among other components, call application management system 110, which controls completing a call between a party using one of telephone terminals 141 (or visitation telephones 143) and another party using telephone terminal (not shown), over PSTN 192 or digital network 191. *Id.* at 8:12–65. Call processing system 101 also includes validation system 113 and unauthorized call activity detection system 114 to provide “call intelligence” to determine whether a particular call should be permitted. *Id.* at 9:35–39. Billing system 112, another system of call processing system 101, collects billing information and deducts fees from prepaid accounts. *Id.* at 11:58–12:3.

*D. Illustrative Claims of the '003 Patent*

Of the challenged claims in the '003 patent, claims 1 and 8 are independent. Claims 1 and 8, reproduced below, are illustrative of the claimed subject matter:

1. A centralized call processing system, comprising:
  - a networking device connected to a plurality of call processing gateways of a plurality of prison facilities located remotely from the centralized call processing system via a wide area network (WAN), the networking device configured to:
    - receive outgoing Voice over Internet Protocol (VoIP) data packets from prison facilities; and
    - send incoming VoIP data packets to the prison facilities;

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