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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

BUNGIE, INC.,
Petitioner,

v.

ACCELERATION BAY, LLC,
Patent Owner.

Case no. IPR2016-00964
Patent No. 6,829,634

PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 6,829,634

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LIST OF EXHIBITS

Exhibit	Description
Ex. 1101	U.S. Patent No. 6,829,634 to Fred B. Holt *et al.* ("'634 patent").
Ex. 1102	Declaration of David K. Lin and the Certified File Wrapper for U.S. Patent No. 6,829,634.
Ex. 1103	Bradley Bargen & Peter Donnelly, INSIDE DIRECTX, (Microsoft Press, 1998) ("DirectPlay").
Ex. 1104	Declaration of Glenn Little and, as Exhibit B, Meng-Jang Lin, *et al.*, *Gossip versus Deterministic Flooding: Low Message Overhead and High Reliability for Broadcasting on Small Networks*, Technical Report No. CS1999-0637 (Univ. of Cal. San Diego, 1999) ("Lin").
Ex. 1105	Peter J. Shoubridge & Arek Dadej, *Hybrid Routing in Dynamic Networks*, *in* 3 IEEE INT'L CONF. ON COMMC'NS CONF. REC. 1381-86 (Montreal, 1997) ("Shoubridge").
Ex. 1106	Declaration of Steven Silvio Pietrobon and, as Exhibit F, Peter J. Shoubridge, *Adaptive Strategies for Routing in Dynamic Networks*, Ph.D. Thesis (Univ. S. Austl., 1996) ("Shoubridge Thesis")
Ex. 1107	John M. McQuillan, *et al.*, *The New Routing Algorithm for the ARPANET*, COM-28, No. 5 IEEE TRANSACTIONS ON COMMC'NS, 711-19 (1980) ("McQuillan").
Ex. 1108	Yogen Kantilal Dalal, *Broadcast Protocols in Packet Switched Computer Networks* (Ph.D. Thesis, Stanford University 1977) and supporting ("Dalal")
Ex. 1109	S. Alagar, *et al.*, *Reliable Broadcast in Mobile Wireless Networks*, Military Communications Conference, 1 IEEE MILCOM '95 CONF. REC., 236-40 (San Diego, Cal., 1995) ("Alagar").
Ex. 1110	Certificate of Authenticity and a Press Release, *Microsoft Boosts Accessibility to Internet Gaming Zone with Latest Release* (Apr. 27, 1998) (PR Newswire) ("IGZ").
Ex. 1111	Donald M. Topkis, *Concurrent Broadcast for Information Dissemination*, SE-11, No. 10 IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, 1107-11 (1985) ("Topkis").
Ex. 1112	Dimitri Bertsekas & Robert Gallager, DATA NETWORKS (Prentice Hall, 2d ed. 1992) ("Bertsekas").
Ex. 1113	Kuo-Jui Raymond Lin, *Routing and Broadcasting in Two-dimensional Linear Congruential Graphs of Degree Four*, Master's Thesis (Concordia Univ. Montreal, Canada, 1994) ("Kuo-Jui Lin").

Ex. 1114	William S. Davis and David C. Yen, THE INFORMATION SYSTEM CONSULTANT'S HANDBOOK: SYSTEMS ANALYSIS AND DESIGN (CRC Press, 1998) ("Davis").
Ex. 1115	V. G. Cerf, *et al.*, Topological Design Considerations in Computer Commc'n Networks, COMPUTER COMMC'N NETWORKS (R. L. Grimsdale *et al.* eds., 1975) ("Cerf").
Ex. 1116	U.S. Patent No. 6,122,277 to Derrick Garmire *et al.* ("Garmire").
Ex. 1117	U.S. Patent No. 5,181,017 to Alexander H. Frey, Jr. *et al.* ("Frey").
Ex. 1118	Flaviu Cristian *et al.*, *Atomic Broadcast: From Simple Message Diffusion to Byzantine Agreement*, 118 INFORMATION AND COMPUTATION 158-79 (Albert R. Meyer ed., 1995) ("Cristian").
Ex. 1119	Expert Declaration of David R. Karger
Ex. 1120	Declaration of Peter John Shoubridge and, as Exhibit A, Peter J. Shoubridge, *Adaptive Strategies for Routing in Dynamic Networks*, Ph.D. Thesis (Univ. S. Austl., 1996) ("Shoubridge Thesis"), and as Exhibit B, Peter J. Shoubridge & Arek Dadej, *Hybrid Routing in Dynamic Networks*, *in* 3 IEEE INT'L CONF. ON COMMC'NS CONF. REC. 1381-86 (Montreal, 1997) ("Shoubridge").
Ex. 1121	SUPPORTING MICROSOFT WINDOWS 95, Vol. 1 (Microsoft Press 1995) ("Supporting Windows 95").
Ex. 1122	Declaration of Matthew R. Shapiro
Ex. 1123	Declaration of Julian D. Moore

Bungie, Inc., ("Petitioner") requests *inter partes* review of claims 1-18 of U.S. Patent No. 6,829,634 to Holt *et al.* ("the '634 patent"), and that these claims be canceled as unpatentable over the prior art. According to PTO records, the '634 patent is assigned to Acceleration Bay, LLC ("Patent Owner"). A copy of the '634 patent is provided as Exhibit 1101. *Inter partes* review of the '634 patent, was instituted in IPR2015-01964 and IPR2015-01996 on March 31, 2016 based on petitions filed by Activision Blizzard, Inc. Electronic Arts Inc., Take-Two Interactive Software, Inc., 2K Sports, Inc., and Rockstar Games, Inc., ("2015 Petitioners"). The present Petition is a practical copy of the content related to the instituted grounds in IPR2015-01996. A motion for Joinder of the '1996 IPR has been filed concurrently with this petition.

I. INTRODUCTION

The '634 patent is directed to a computer network in which information is broadcast from one participant to every other participant. *See, e.g.*, Ex. 1101, Abstract. In particular, the '634 patent claims the use of "flooding" to broadcast information in computer networks configured as non-complete, "*m*-regular graphs." *Id.* at 1:29-31, 4:49-5:6; cl. 1. This purported invention, however, was disclosed in printed publications that pre-date its filing date of July 31, 2000.

"Flooding" refers to a simple, reliable technique for broadcasting information, in which the sender of a message transmits it to each of its neighbors, who in turn forward the message to each of their neighbors, who themselves forward it to each of their neighbors, and so on, until every participant has received the

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