

**UPDATED EXHIBIT LIST AS OF AUGUST 24, 2017**

- Ex.-1101 U.S. Patent No. 8,122,034 (“the ’034 Patent”)
- Ex.-1102 U.S. Patent No. 7,039,635 (“Morgan”)
- Ex.-1103 U.S. Patent No. 6,718,324 (“Edlund”)
- Ex.-1104 PCT Publication No. WO 2004/010323 (“Lowles”)
- Ex.-1105 U.S. Patent Application Publication No. 2004/0267815 (“De Mes”)
- Ex.-1106 Ricardo Baeza-Yates & Berthier Ribiero-Neto, *Modern Information Retrieval* (1999) (relevant excerpts)
- Ex.-1107 Declaration of Dr. Edward A. Fox
- Ex.-1108 Prosecution History of the ’034 Patent: March 7, 2011 Non-Final Office Action
- Ex.-1109 Prosecution History of the ’034 Patent: Examiner-Initiated Interview Summary (Interview Date: September 26, 2011)
- Ex.-1110 Prosecution History of the ’034 Patent: October 19, 2011 Notice of Allowance and Notice of Allowability
- Ex.-1111 Prosecution History of the ’034 Patent: July 6, 2011 Amendment and Response
- Ex.-1112 Prosecution History of the ’034 Patent: April 2, 2010 Final Office Action
- Ex.-1113 Merriam-Webster’s Collegiate Dictionary, 622 (10th ed. 1993).Ex.-1014
- Ex.-1114 A complete copy of the Claim Construction Opinion and Order issued August 10, 2017, in *Rovi Guides, Inc. v. Comcast Corporation*, SDNY case no. 1:16-cv-09278