Page 1

UNITED STATES PATENT AND TRADE MARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD ---000---SAMSUNG ELECTRONICS CO. LTD.; MICRON TECHNOLOGY, INC.; and SK HYNIX INC., Petitioners, vs. ELM 3DS INNOVATIONS, LLC, Patent Owner. / Consolidated IPR Nos.: 2016-00386 2016-00387 2016-00388 2016-00389 2016-00390 2016-00391 2016-00393 2016-00394 2016-00395 2016-00687 2016-00691 DEPOSITION OF PAUL D. FRANZON, PH.D. THURSDAY, OCTOBER 6, 2016 REPORTED BY: HOLLY THUMAN, CSR No. 6834, RMR, CRR (BO-099768)

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Page 2 INDEX INDEX OF EXAMINATIONS EXAMINATION BY: PAGE MR. NEWMAN --000--PREVIOUSLY MARKED EXHIBITS - FIRST REFERENCE (NOT ATTACHED) NO. DESCRIPTION PAGE Exhibit 1002 Previously marked Exhibit 2163 Previously marked Exhibit 2162 Previously marked Exhibit 1045 Previously marked

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           Deposition of PAUL D. FRANZON, Ph.D., taken by
 3
      the Patent Owner, at MINTZ LEVIN, 44 Montgomery
 4
      Street, Suite 3600, San Francisco, California
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      94104, commencing at 9:04 A.M., on THURSDAY,
 6
      OCTOBER 6, 2016, before me, HOLLY THUMAN, CSR, RMR,
 7
      CRR.
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                             --000--
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PAUL D. FRANZON, PH.D. - 10/6/2016

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      (Appearances, cont'd)
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PAUL D. FRANZON, PH.D. - 10/6/2016

Page 5 SAN FRANCISCO, CALIFORNIA 1 THURSDAY, OCTOBER 6, 2016 2 9:04 A.M. 3 --000--4 PAUL D. FRANZON, PH.D., 5 6 7 called as a witness, having been first duly sworn, 8 was examined and testified as follows: 9 ---000---10 PROCEEDINGS 09:04:46 11 MR. NEWMAN: Just a matter of business for 09:04:47 12 the record. The parties have agreed to the 09:04:50 13 following reciprocal agreement: Parties agree to a 09:04:53 single consolidated deposition for all of IPR 14 09:04:58 2016-00386, -387, -388, -389, -390, -391, -393, 15 09:05:11 16 -394, -395, and the related IPR 2016-00687, and 09:05:23 17 -691. 18 Parties agree that this single 09:05:26 09:05:28 19 consolidated deposition can be used in each of the 09:05:30 20 11 separate IPRs. 09:05:33 21 The parties also agree to a single 09:05:36 2.2 consolidated redirect, to the extent necessary, 09:05:38 23 upon conclusion of the cross-examination. 09:05:43 24 While the parties agree that the testimony 09:05:47 guidelines apply as set forth in 77 Fed Register 25

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