

# Exhibit 1

**IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF FLORIDA**

**Case No. 1:22-cv-22706-RNS**

BELL NORTHERN RESEARCH, LLC,

Plaintiff

v.

**JURY TRIAL DEMANDED**

HMD AMERICA, INC.; HMD GLOBAL OY;  
SHENZHEN CHINO-E COMMUNICATION  
CO., LTD.; HON HAI PRECISION  
INDUSTRY CO., LTD; TINNO MOBILE  
TECHNOLOGY CORP.; SHENZHEN  
TINNO MOBILE CO., LTD.; TINNO USA,  
INC.; UNISOC TECHNOLOGIES CO., LTD.;  
SPREADTRUM COMMUNICATIONS USA,  
INC.; WINGTECH TECHNOLOGY CO.;  
LTD.; WINGTECH INTERNATIONAL,  
INC.; BEST BUY CO., INC.; BEST BUY  
STORES L.P.; TARGET CORP.; WALMART  
INC.

Defendants.

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**PLAINTIFF BELL NORTHERN RESEARCH LLC'S DISCLOSURE OF ASSERTED  
CLAIMS AND INFRINGEMENT CONTENTIONS PURSUANT TO P.R. 3-1**

Pursuant to Patent Rule 3-1, Plaintiff Bell Northern Research, LLC, (“BNR” or “Plaintiff”), hereby provides its Disclosure of Asserted Claims and Infringement Contentions concerning Defendant HMD America, Inc. and HMD Global Oy (collectively, “HMD” or “Defendant”). BNR reserves the right to further amend or modify its disclosures herein—including to supplement its infringement contentions pursuant to P.R. 3-6—based on additional information obtained through discovery or other means concerning the Defendant’s products or services.

**I. Plaintiff’s P.R. 3-1(a) Disclosures: Infringed Claims**

Subject to ongoing discovery and investigation, BNR contends that Defendant infringes

the following claims of U.S. Patent Nos. 8,204,554, 7,319,889, RE 48,629, 8,416,862, 7,564,914, 7,957,450, 6,941,156, 6,696,941, 7,039,435, 6,963,129, 6,858,930, 8,396,072, and 8,792,432 under 35 U.S.C. § 271(a) by making, using, offering to sell, and/or selling in the United States and/or importing into the United States, the Accused Instrumentalities set forth in Part II below.

Subject to ongoing discovery and investigation, BNR contends that Defendant infringes the following claims of U.S. Patent Nos. 8,204,554, 7,319,889, RE 48,629, 8,416,862, 7,564,914, 7,957,450, 6,941,156, 6,696,941, 7,039,435, 6,963,129, 6,858,930, 8,396,072, and 8,792,432 under 35 U.S.C. § 271(b)–(c) by making, using, selling, importing, or offering for sale in the United States, or has made, used, sold, imported, or offered for sale in the past, without authority, or induces others to make, use, sell, import, or offer for sale in the United States, or has induced others to make, use, sell, import, or offer for sale in the past, without authority, products, equipment, or services that infringe, the Accused Instrumentalities set forth in Part II below.

BNR further contends that Defendant infringes the Patents-in-Suit by (i) practicing the asserted method claims of the Patents-in-Suit in the United States, and/or (ii) by making, using, offering to sell, and/or selling in the United States and/or importing into the United States the Accused Instrumentalities set forth in Part II below, which practice the asserted method claims of the Patents-in-Suit. BNR reserves the right to supplement its position as to infringement following further discovery and/or claim construction.

<b>U.S. Patent No.</b>	<b>Claims Infringed by Defendant Under 35 U.S.C. § 271(a)–(c)</b>
8,204,554	1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14
7,319,889	1, 2, 4, 5, 6, 8, 9, 11, 12

RE 48,629	1, 8, 9, 10, 11, 13, 14, 19, 20, and 27
8,416,862	1-4 and 9-12
7,564,914	13, 17 and 21
7,957,450	1-3, 11-13, 21 and 22
6,941,156	1, 2
6,696,941	1, 3, 6, 10, 12, 15
7,039,435	1, 2, 3, 6
6,963,129	1, 2, 5, 6
6,858,930	1, 2, 5, 6
8,396,072	1, 3, 8 and 9
8,792,432	9, 12

## II. BNR's P.R. 3-1(b) Disclosures: Accused Instrumentalities

Subject to ongoing discovery and investigation, and based on available information obtained to date, BNR contends that the following Accused Instrumentalities infringe the Asserted Claims of the Patents:

U.S. Patent No.	Claims Infringed by Defendant	Accused Instrumentalities
8,204,554	1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14	Nokia 1.4, Nokia 2 V Tella, Nokia 2.4, Nokia 3.4, Nokia 5.4, Nokia C2 Tava, Nokia G10, Nokia G20, Nokia X100 5G, Nokia G300 5G, Nokia G50, Nokia XR20, Nokia 8.3 5G, Nokia 8V 5G UW, Nokia C100, Nokia C200, Nokia G100, G400 5G, Nokia 9 PureView, Nokia X71, Nokia G21, Nokia G11 Plus, Nokia C30, Nokia C20, Nokia C10, Nokia C3, Nokia C2 Tennen, Nokia C2, Nokia C1 Plus, Nokia C1, Nokia 8.1, Nokia 8 Sirocco, Nokia 8, Nokia

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		7.2, Nokia 7.1, Nokia 7 Plus, Nokia 7, Nokia 6.2, Nokia 6.1 Plus, Nokia 6.1, Nokia 6, Nokia 5.3, Nokia 5.1, Nokia 5.1 Plus, Nokia 5, Nokia 4.2, Nokia 3.2, Nokia 3.1 A, Nokia 3.1 C, Nokia 3.1 Plus, Nokia 3.1, Nokia 3 V, Nokia 3, Nokia 2.3, Nokia 2.2, Nokia 2.1, Noka 2 V, Nokia 2, Nokia 1.3, Nokia 1 Plus, Nokia 1
7,319,889	1, 2, 4, 5, 6, 8, 9, 11, 12	Nokia 1.4, Nokia 2 V Tella, Nokia 2.4, Nokia 3.4, Nokia 5.4, Nokia C2 Tava, Nokia G10, Nokia G20, Nokia X100 5G, Nokia G300 5G, Nokia G50, Nokia XR20, Nokia 8.3 5G, Nokia 8V 5G UW, Nokia C100, Nokia C200, Nokia G100, G400 5G, Nokia 9 PureView, Nokia X71, Nokia G21, Nokia G11 Plus, Nokia C30, Nokia C20, Nokia C10, Nokia C3, Nokia C2 Tennen, Nokia C2, Nokia C1 Plus, Nokia C1, Nokia 8.1, Nokia 8 Sirocco, Nokia 8, Nokia 7.2, Nokia 7.1, Nokia 7 Plus, Nokia 7, Nokia 6.2, Nokia 6.1 Plus, Nokia 6.1, Nokia 6, Nokia 5.3, Nokia 5.1, Nokia 5.1 Plus, Nokia 5, Nokia 4.2, Nokia 3.2, Nokia 3.1 A, Nokia 3.1 C, Nokia 3.1 Plus, Nokia 3.1, Nokia 3 V, Nokia 3, Nokia 2.3, Nokia 2.2, Nokia 2.1, Noka 2 V, Nokia 2, Nokia 1.3, Nokia 1 Plus, Nokia 1

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