

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 August 2011 (18.08.2011)

(10) International Publication Number
WO 2011/098760 A1

PCT

(51) International Patent Classification:
G02B 13/06 (2006.01) *G03B 17/56* (2006.01)
G03B 37/00 (2006.01)

ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(21) International Application Number:
PCT/GB2011/000173

(22) International Filing Date:
10 February 2011 (10.02.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1002248.1 10 February 2010 (10.02.2010) GB

(72) Inventor; and

(71) Applicant : LAWTON, Thomas Alexander [GB/GB]; 5
Outer Silk Mills, Malmesbury, Wiltshire SN16 9LP (GB).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

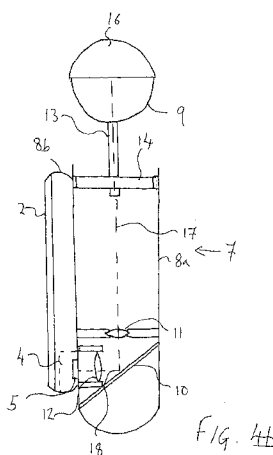
— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(54) Title: AN ATTACHMENT FOR A PERSONAL COMMUNICATION DEVICE



(57) Abstract: A personal communication device, such as a smartphone handset (1) comprises a main body (2) incorporating a camera (4) having a lens (5). An attachment (6) for the personal communication device is detachably mountable to the main body (2) by means of a cover (8). The attachment (6) also comprises an optical device (7) arranged to reflect light into the lens from a panoramic field of view. The optical device (7) includes a convex mirror (9), which preferably reflects light from a 360° field of view into the camera (4). Such an arrangement enables the user to completely capture an image of his surroundings, so that the image is an objective record of a moment in time as experienced by the user. The invention is more portable and versatile than previous arrangements.