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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 March 2003 (20.03.2003)

PCT

(10) International Publication Number
WO 2003/023583 A3

(51) International Patent Classification[7]: G06F 1/16, 1/18

(21) International Application Number:
PCT/GB2002/004104

(22) International Filing Date:
10 September 2002 (10.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0121796.7 10 September 2001 (10.09.2001) GB
0122587.9 19 September 2001 (19.09.2001) GB

(71) Applicant *(for all designated States except US)*: **CYBULA LIMITED** [GB/GB]; FIMBER, DRIFFIELD, Yorkshire YO25 9LY (GB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **AUSTIN, James, Leonard** [GB/GB]; Corner House Farm, FIMBER, DRIFFIELD, Yorkshire YO25 9LY (GB).

(74) Agent: **STANLEY, David, William**; STANLEYS, Kings Court, 12 King Street, LEEDS, Yorkshire LS1 2HL (GB).

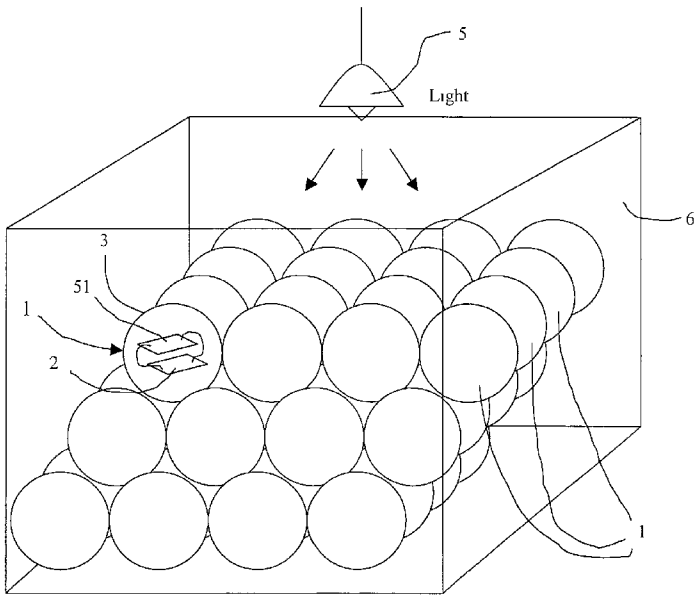
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

[Continued on next page]

(54) Title: COMPUTING DEVICES



Example of powering the system using light.
This could include lights within the cluster.

(57) Abstract: Each of a cluster of computing balls (1) contains within its housing (3) a photosensitive device (51) for receiving light from a light source (5) and converting it into energy to power a processing chip (2). There is thus wireless transmission of power to the computing balls (1), which also carry out wireless communication of data with one another. The computing balls (1) may be poured at random into a container (6), and intercommunicate to form a computing device.

WO 2003/023583 A3

(88) Date of publication of the international search report:
8 January 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.