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(52) UK CL (Edition N)

G4A ADT AKS

H4K KFH

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(56) Documents Cited

EP 0526802 A2

(58) Field of Search

UK CL (Edition N) **G4A ADT AKS, H4K KFH, H4L**

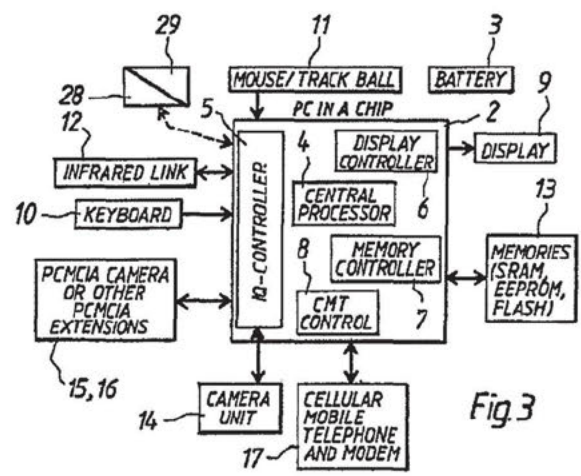
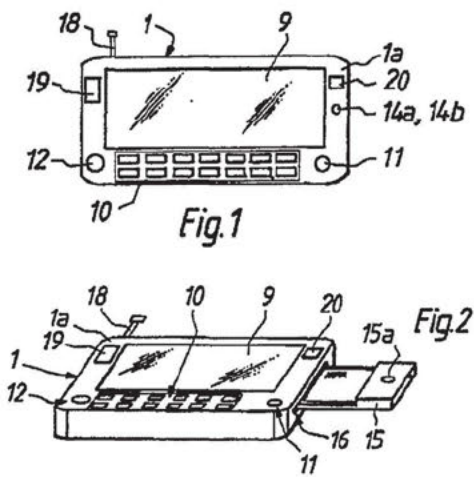
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INT CL⁶ **G06F, H04M, H04Q**

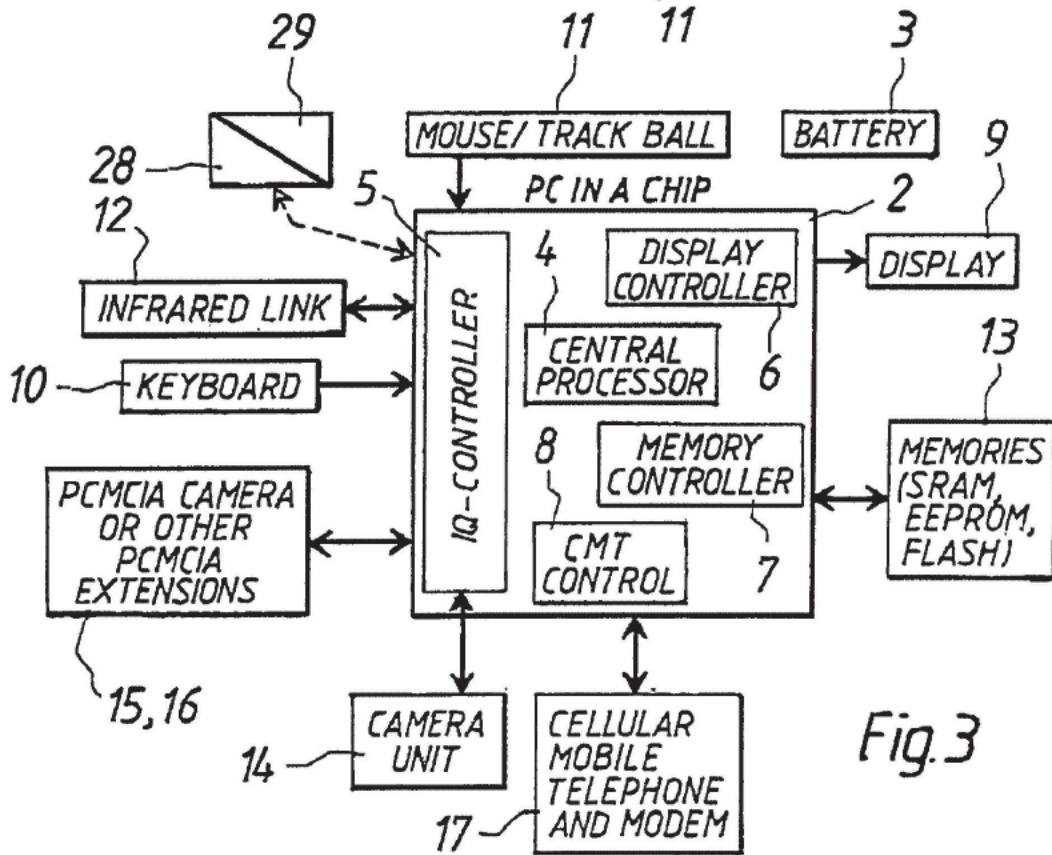
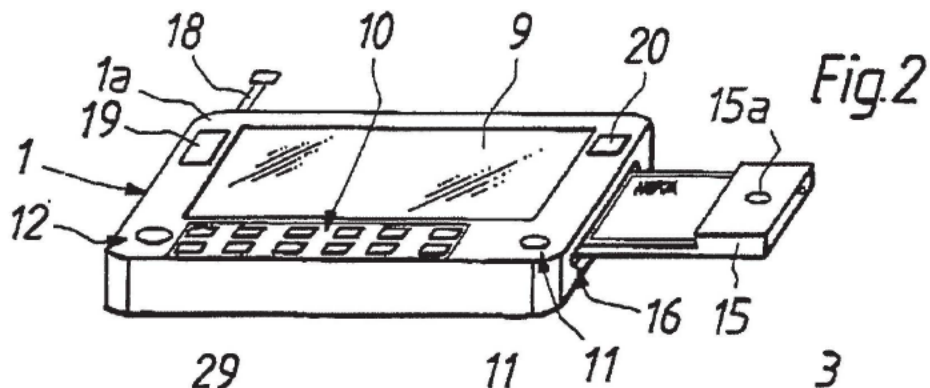
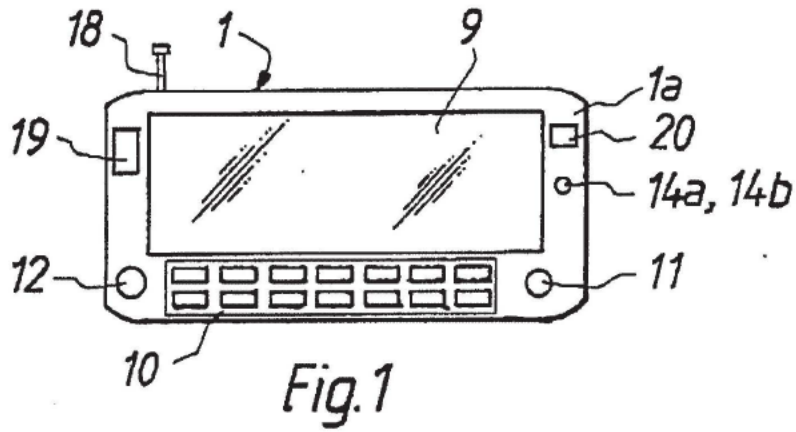
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(54) **Device for personal communications, data collection and data processing and a circuit card**

(57) A device for personal communication, data collection and data processing, which is a small-sized, portable and hand-held work station comprising a data processing unit (2); a display (9); a user interface (10, 11); a number of peripheral device interfaces (12, 17); at least one memory unit (13); a power source, preferably a battery (3); and an application software; also comprises a camera unit (14). The camera unit (14) comprises a camera (14a), preferably a semiconductor camera, and optics (14b) connected thereto, which are placed in the housing (1) of the device. Alternatively, the camera unit (14) is fitted on a PCMCIA card (15) which can be connected to the PCMCIA card slot (16) of the device.



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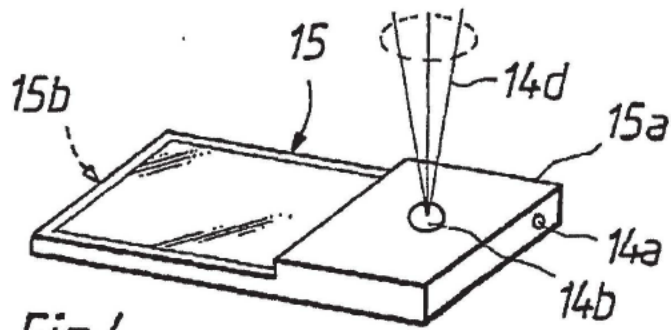


Fig. 4

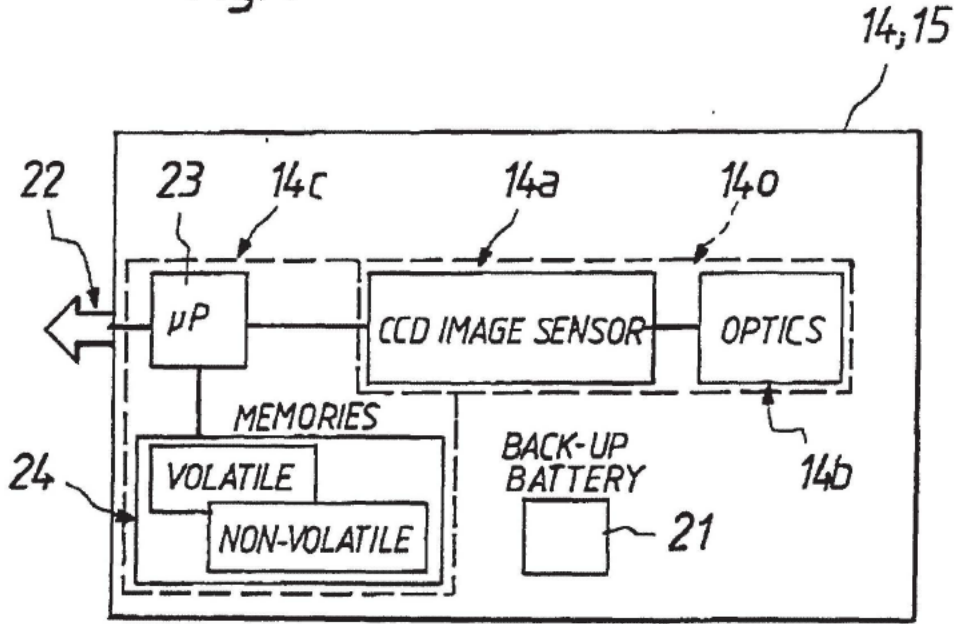


Fig. 5

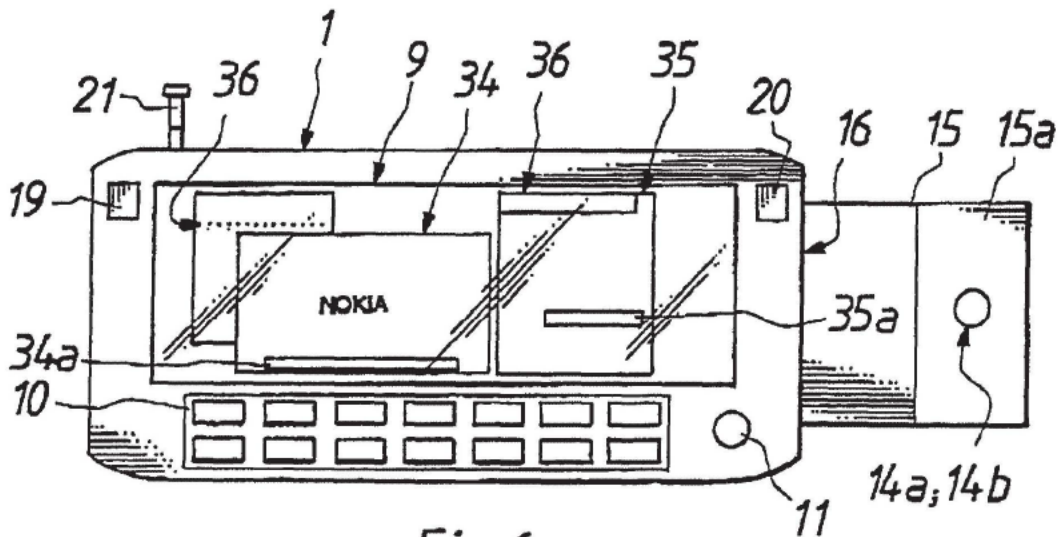
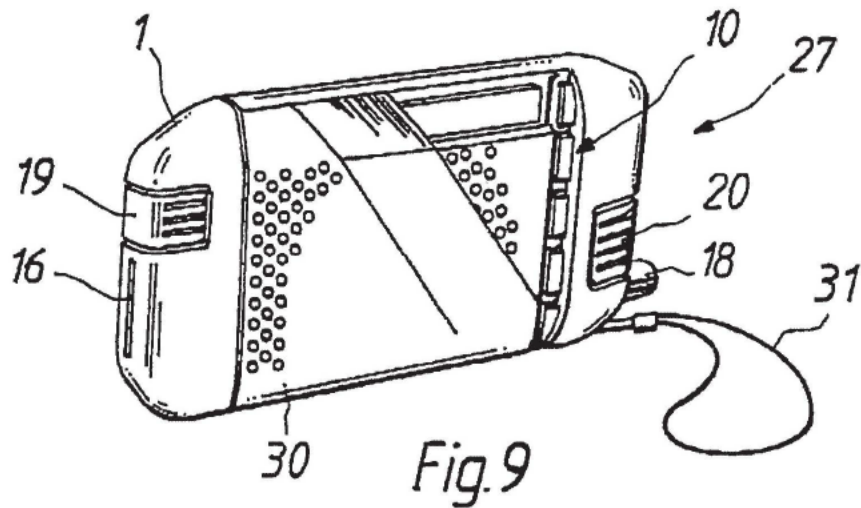
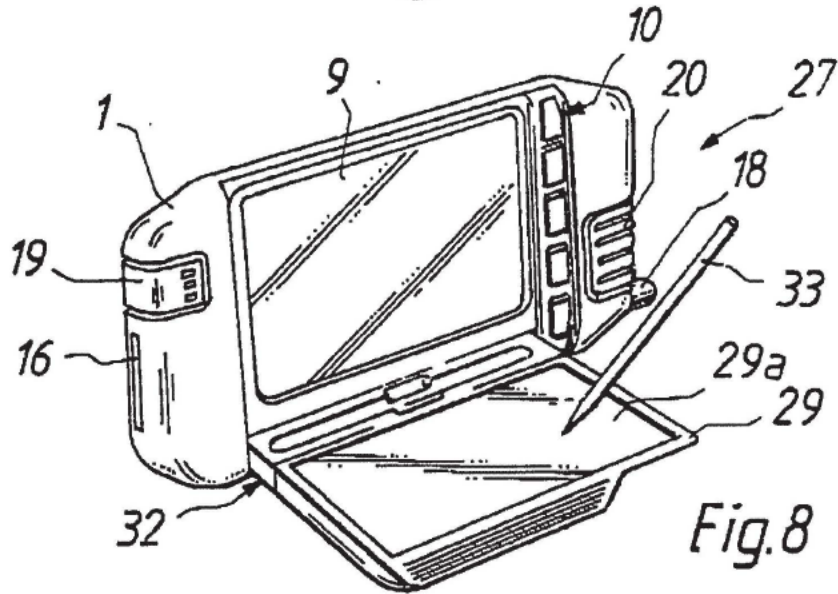
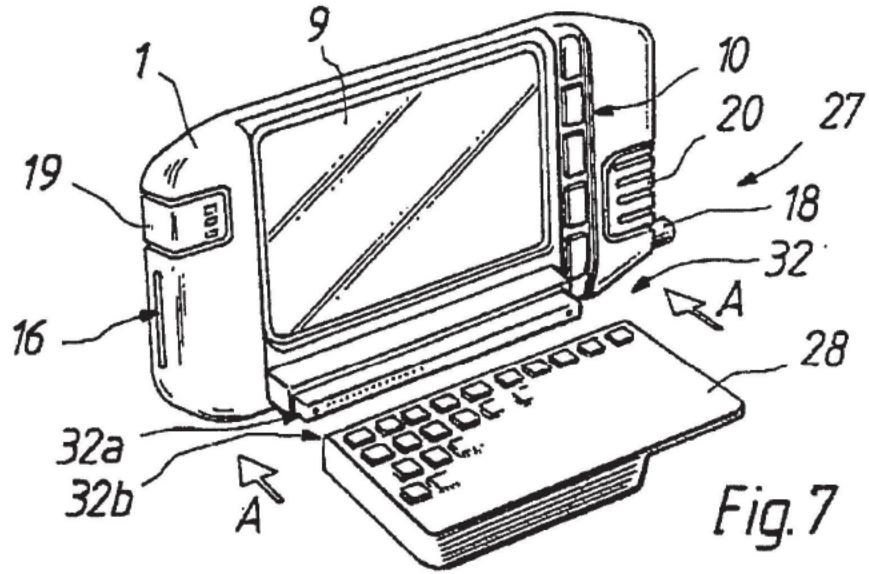


Fig. 6



1 DEVICE FOR PERSONAL COMMUNICATIONS, DATA COLLECTION AND DATA
2 PROCESSING, AND A CIRCUIT CARD

3
4 The object of the invention is a device according to the introductory part of
5 Claim 1 for personal communication, data collection and data processing. The
6 device consists of a small-sized housing comprising a data processing unit
7 which contains a data processor with peripheral circuits and memory units, a
8 display, a user interface, a number of peripheral device interfaces, a power
9 source, preferably a battery, and application software.

10
11 Another object of the invention is a circuit card according to the introduction of
12 Claim 8 which can be fitted to the card slot arranged in connection with a
13 device intended for personal communication, data collection and processing, in
14 particular.

15
16 Personal communication devices and/or mobile organisers, such as notebook
17 computers and the like, known from before, are small, light-weight, portable
18 and hand-held or laptop workstations. A number of accessories and application
19 programs which offer service functions can be installed in such personal
20 devices, when necessary. A such notebook computer is disclosed in
21 international patent application WO-93/14458.

22
23 The notebook computer can be equipped with an electronic scanner by means
24 of which both text and figures can be read into the memory of the computer.
25 This helps to eliminate the drawbacks of small keyboards, in particular. Data
26 required in many connections, such as contact information included in business
27 cards, can be read into the memory of the computer. However, electronic
28 scanners comprise fine-mechanical parts which wear and may cause problems.
29 Especially paper feeding arrangements fitted in small notebook computers are
30 problematic.

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