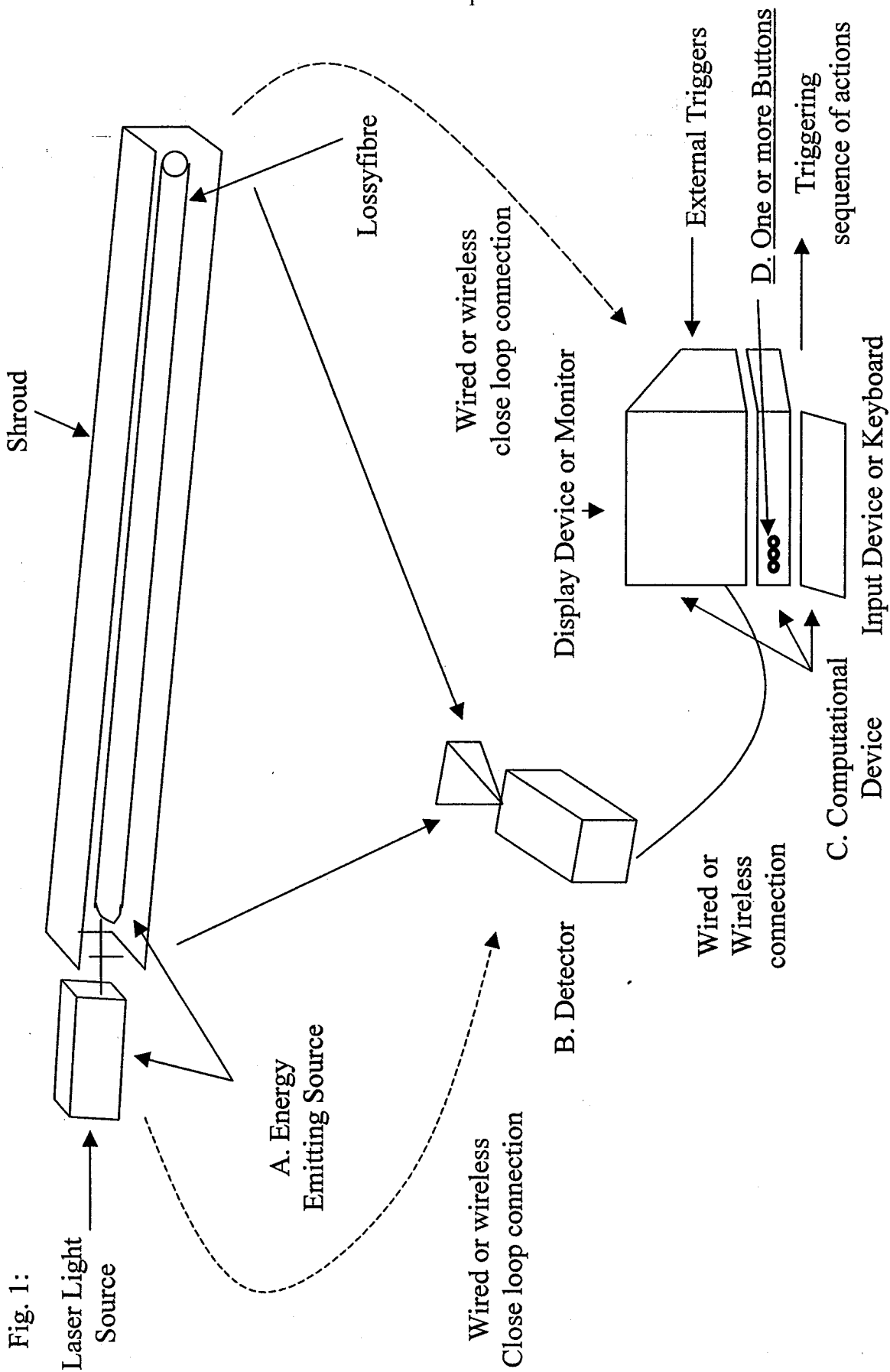




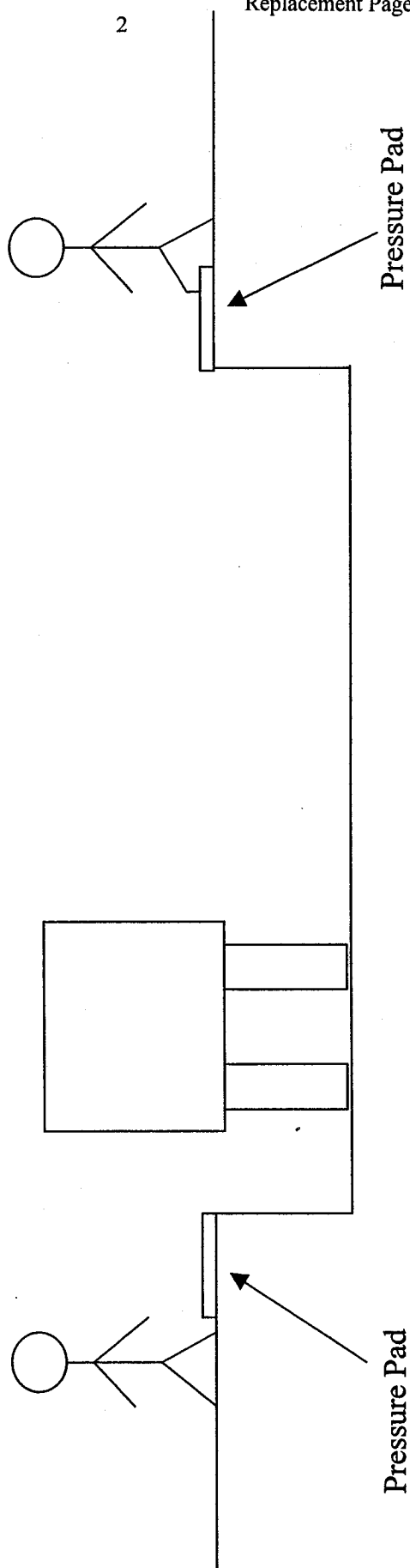


Fig. 2
Prior Art : Pressure Pads

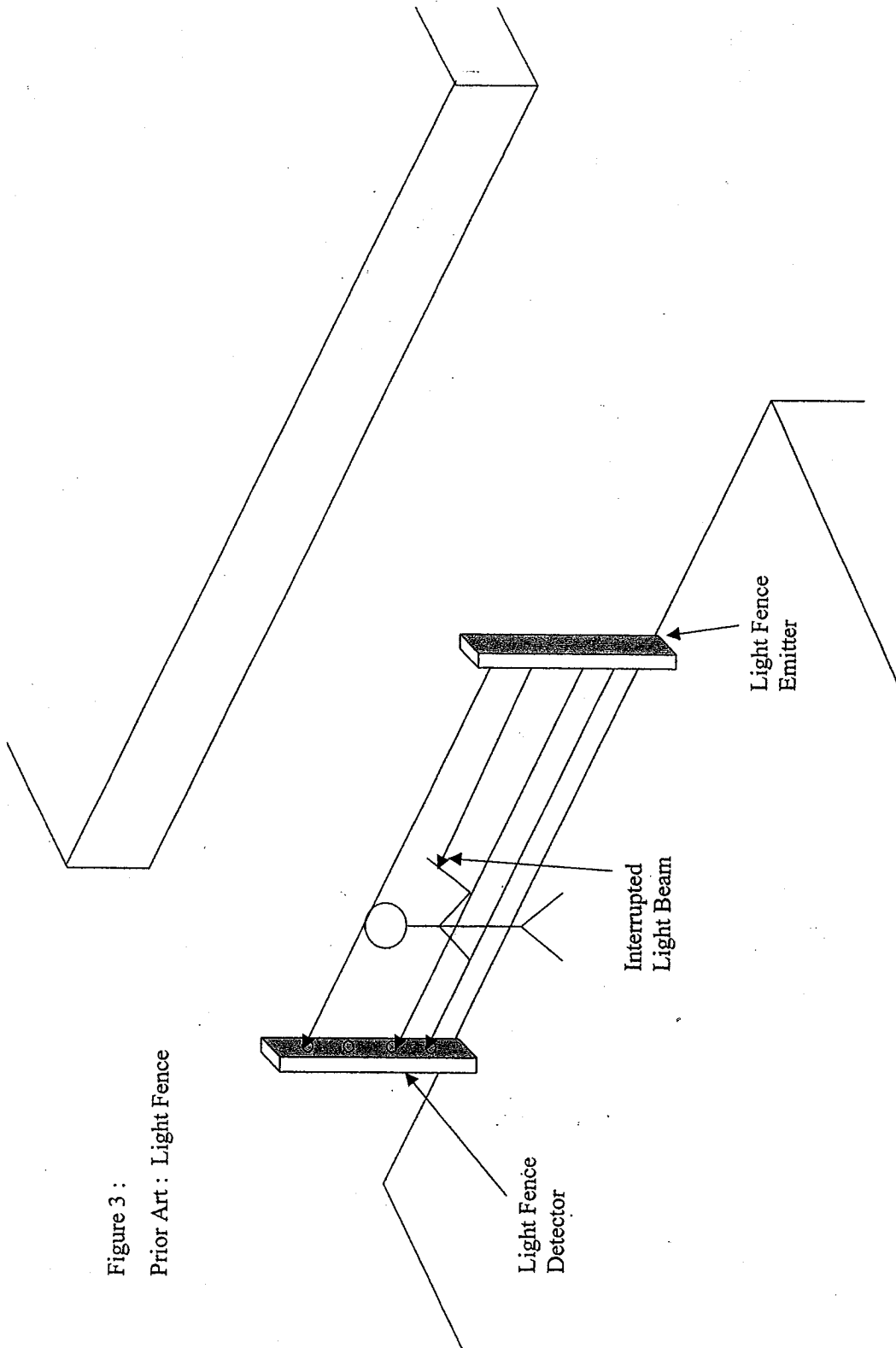
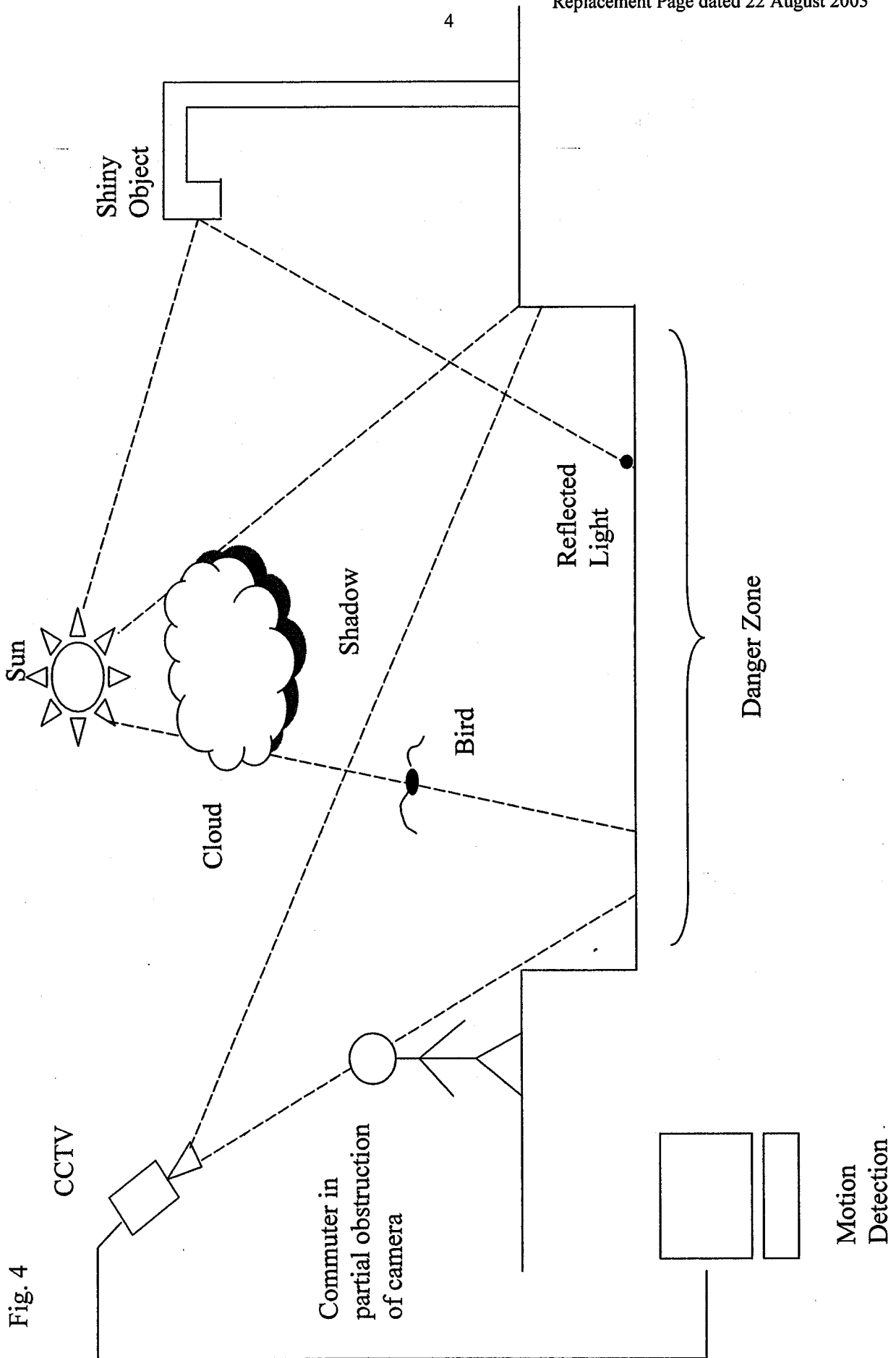


Figure 3 :
Prior Art : Light Fence



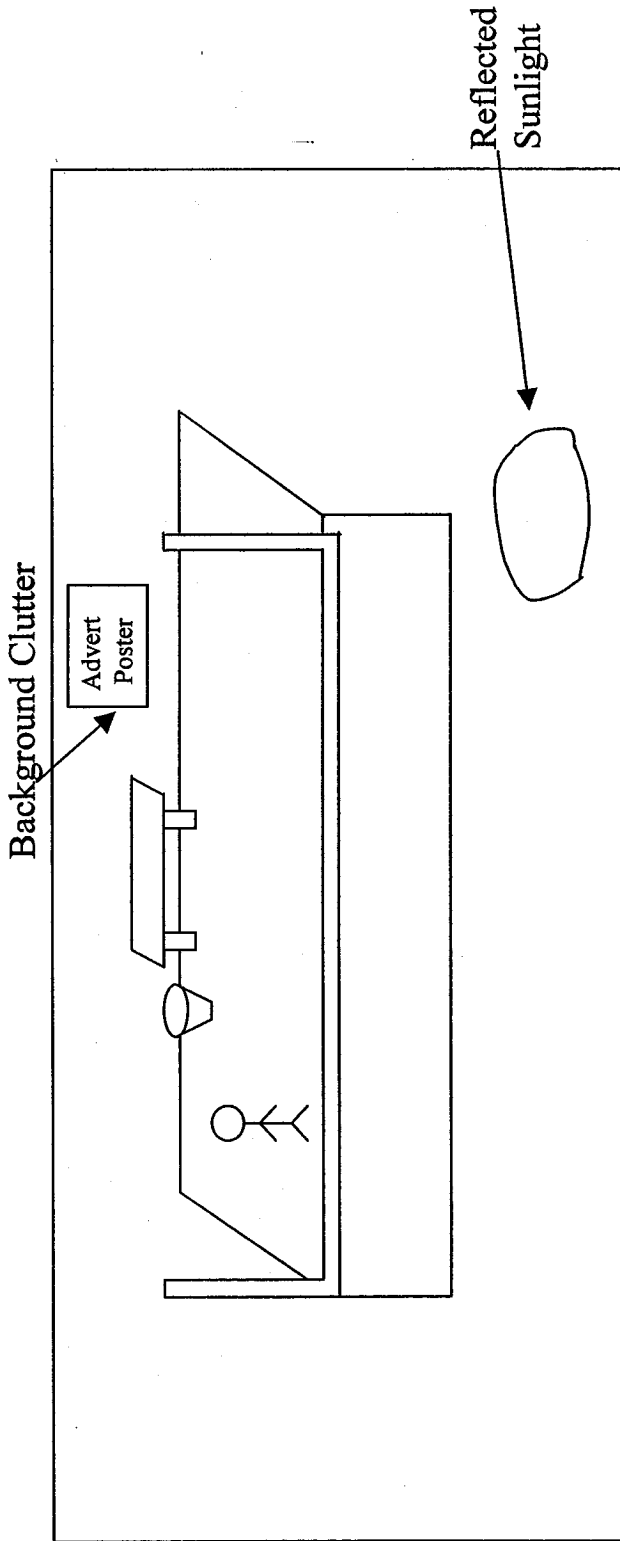


Fig. 5
(a)

Normal
CCTV
Image

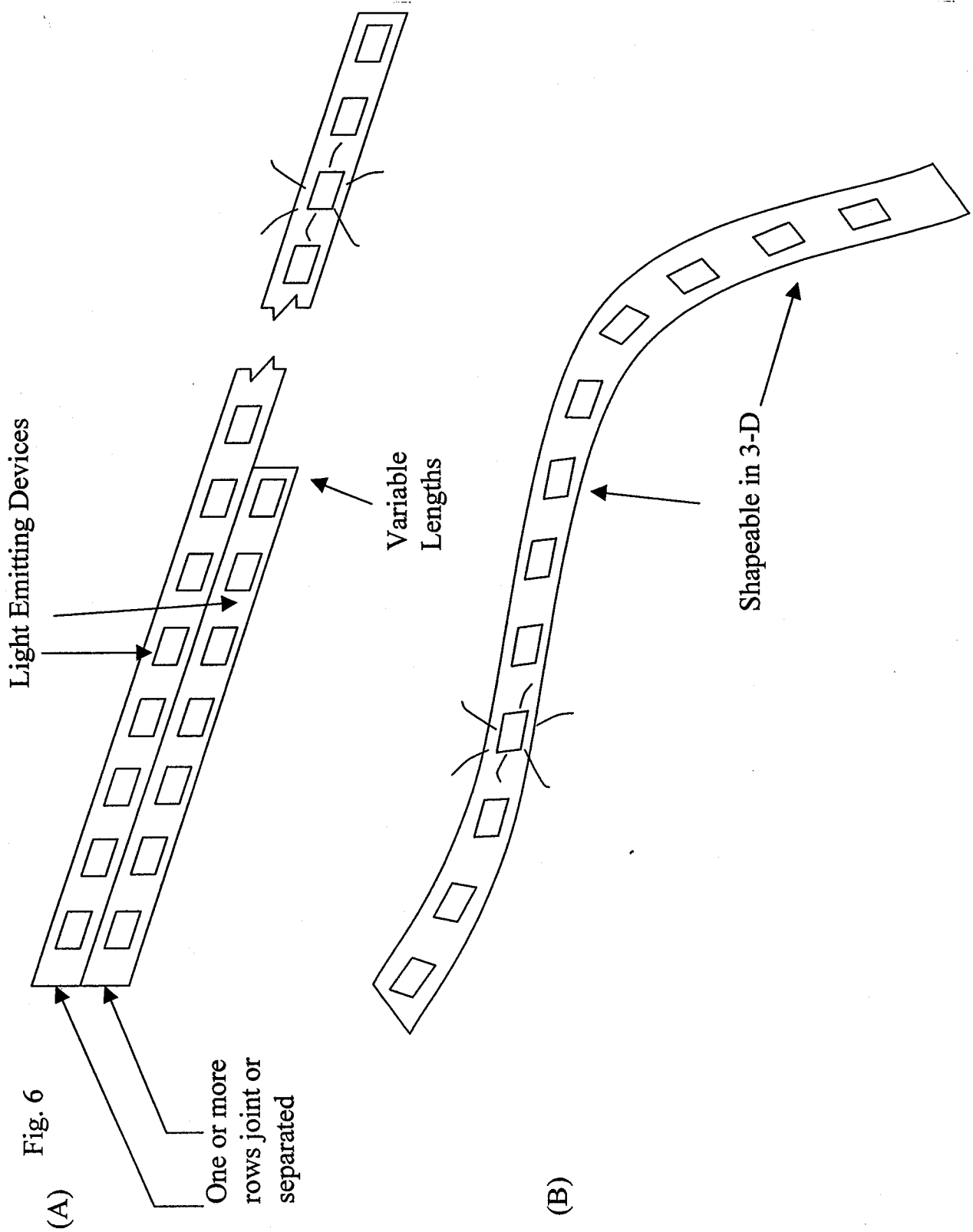
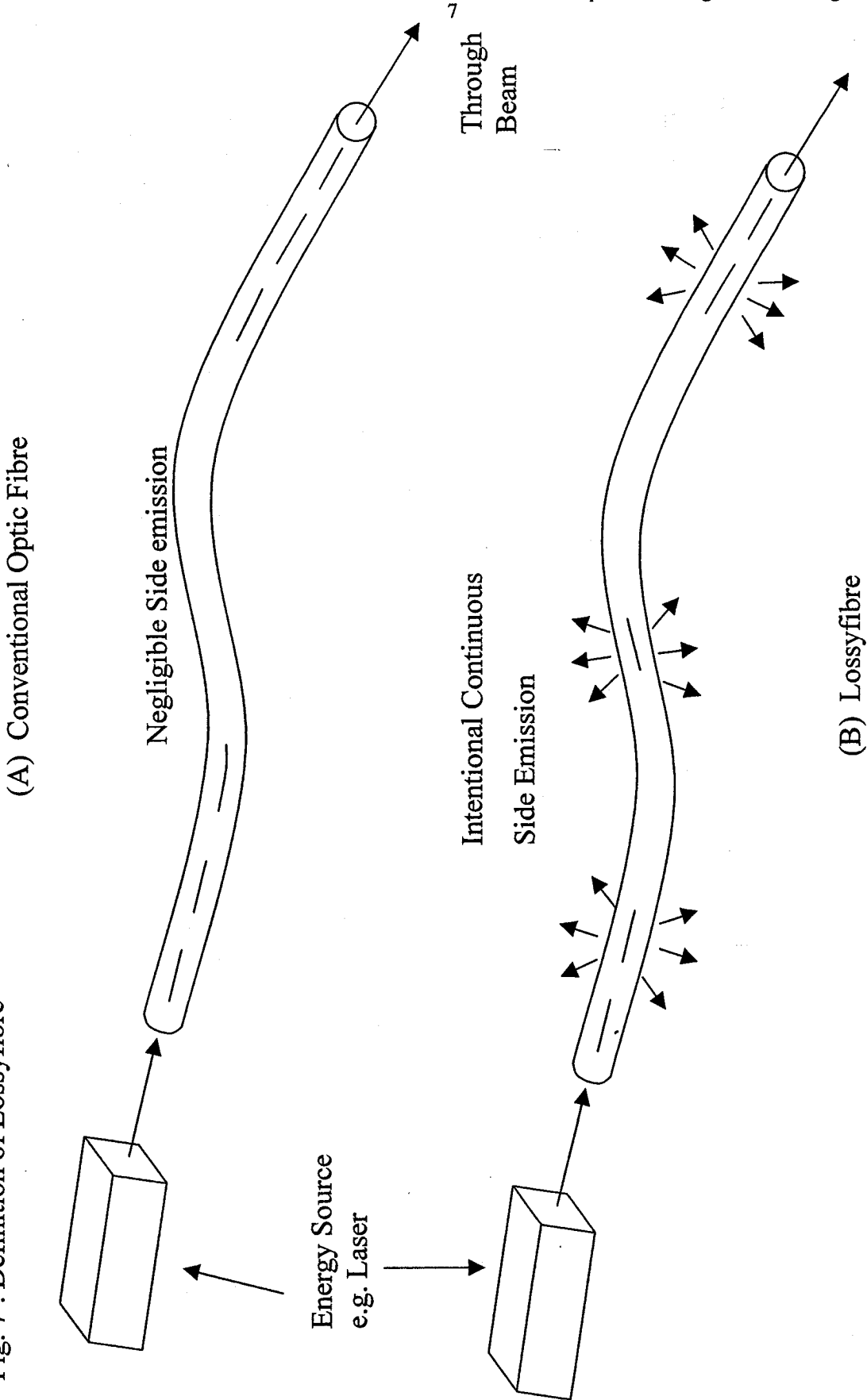
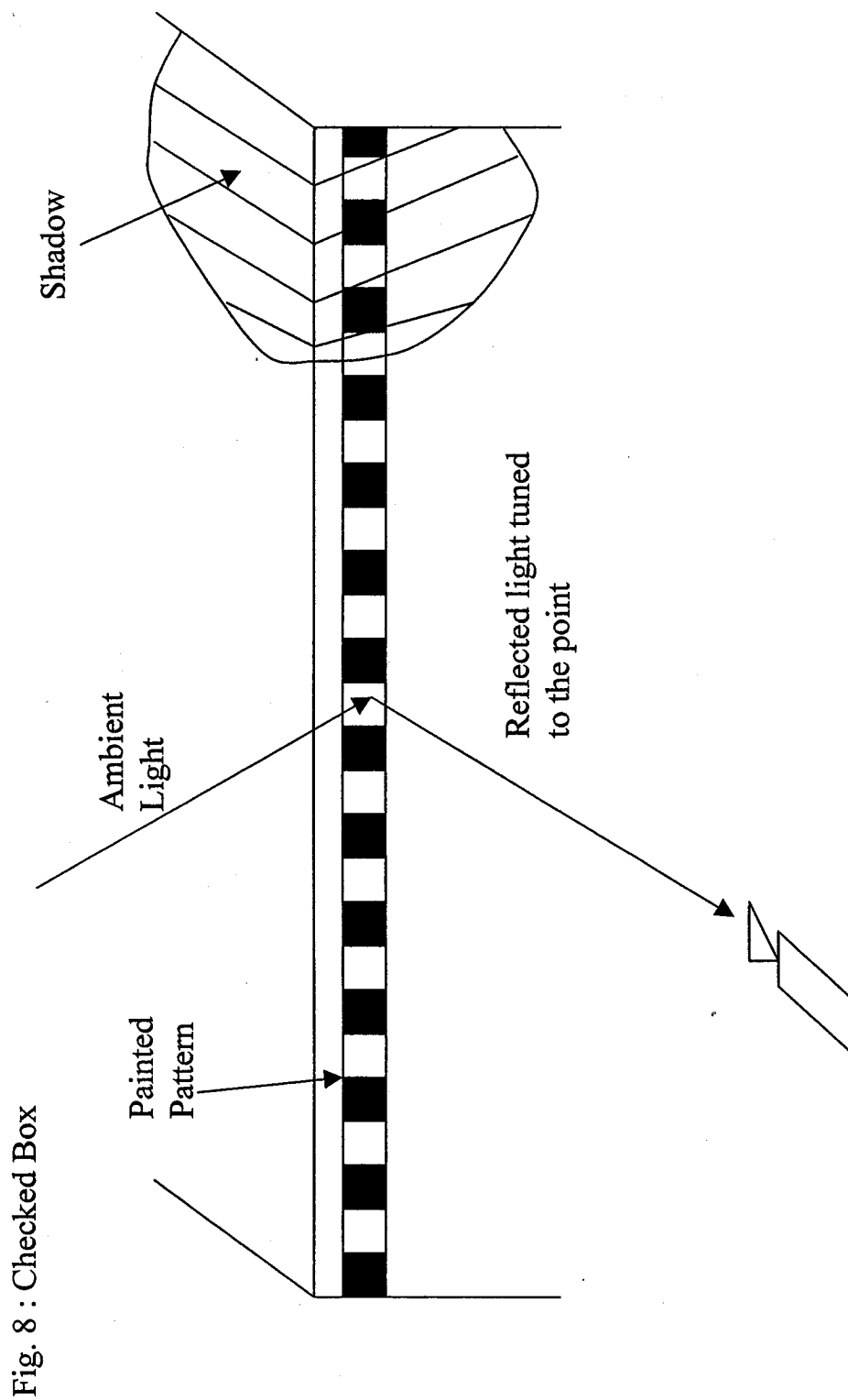


Fig. 7 : Definition of Lossy fibre





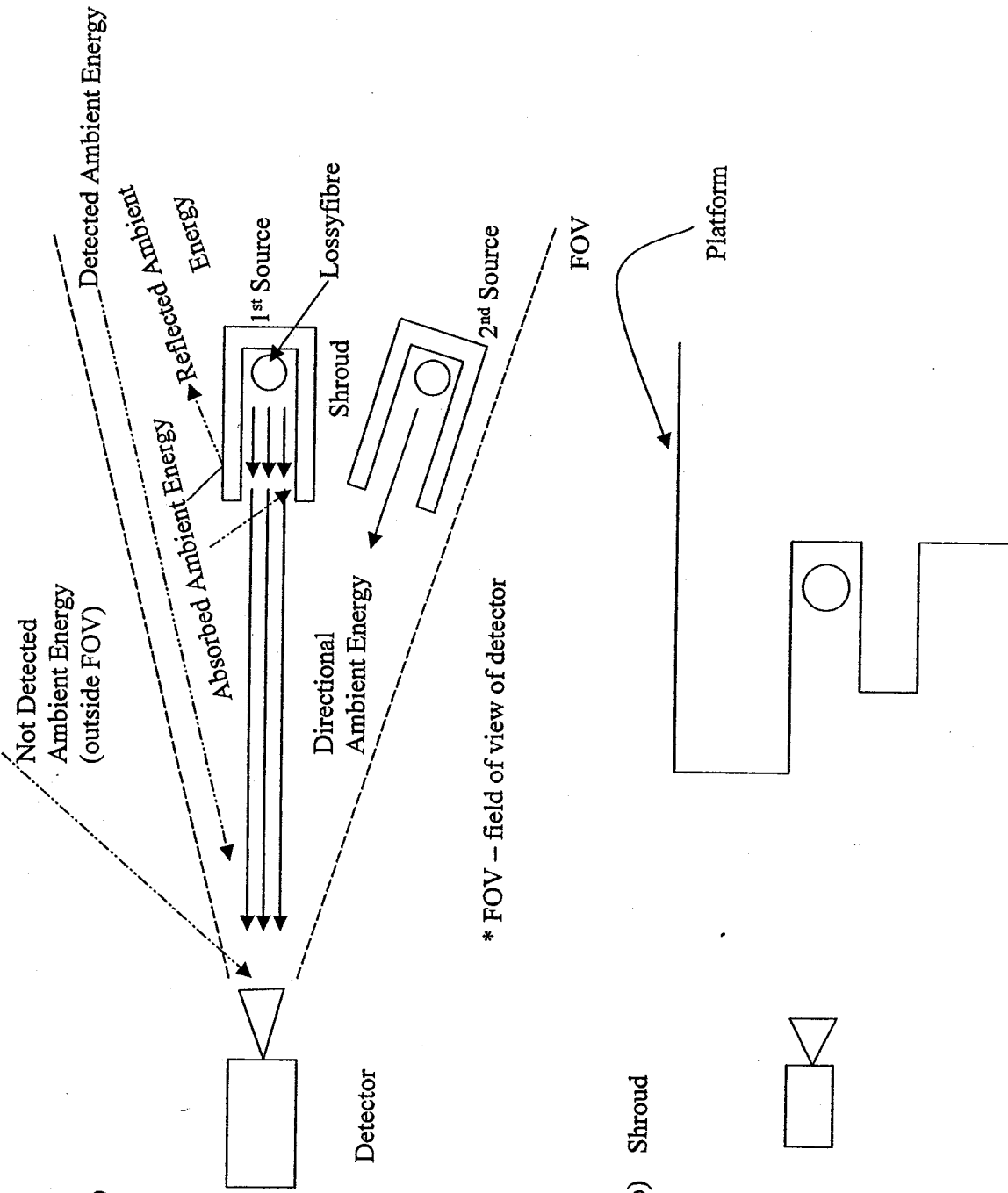


Fig. 9

(a)

(b) Shroud

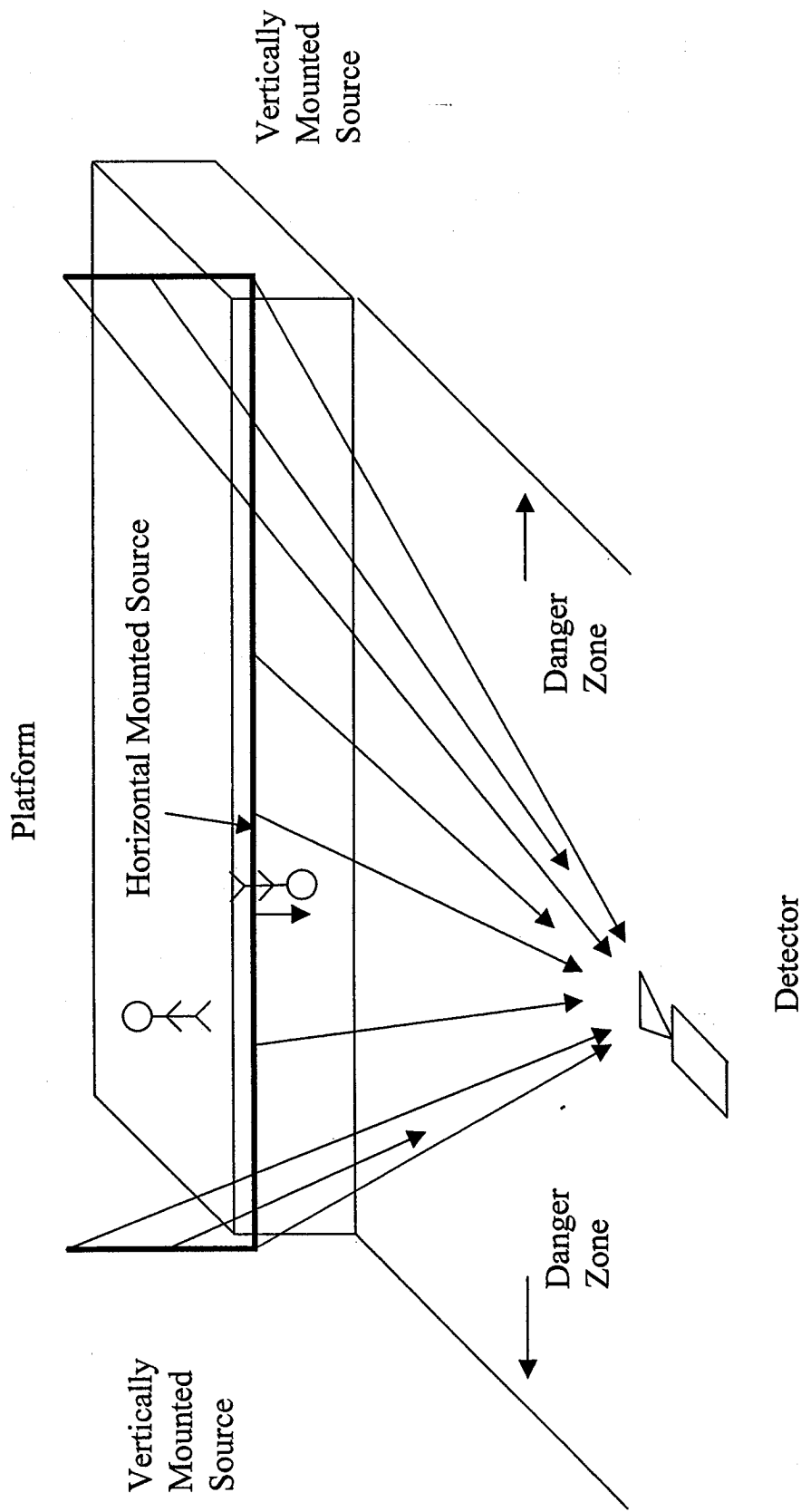


Fig. 10

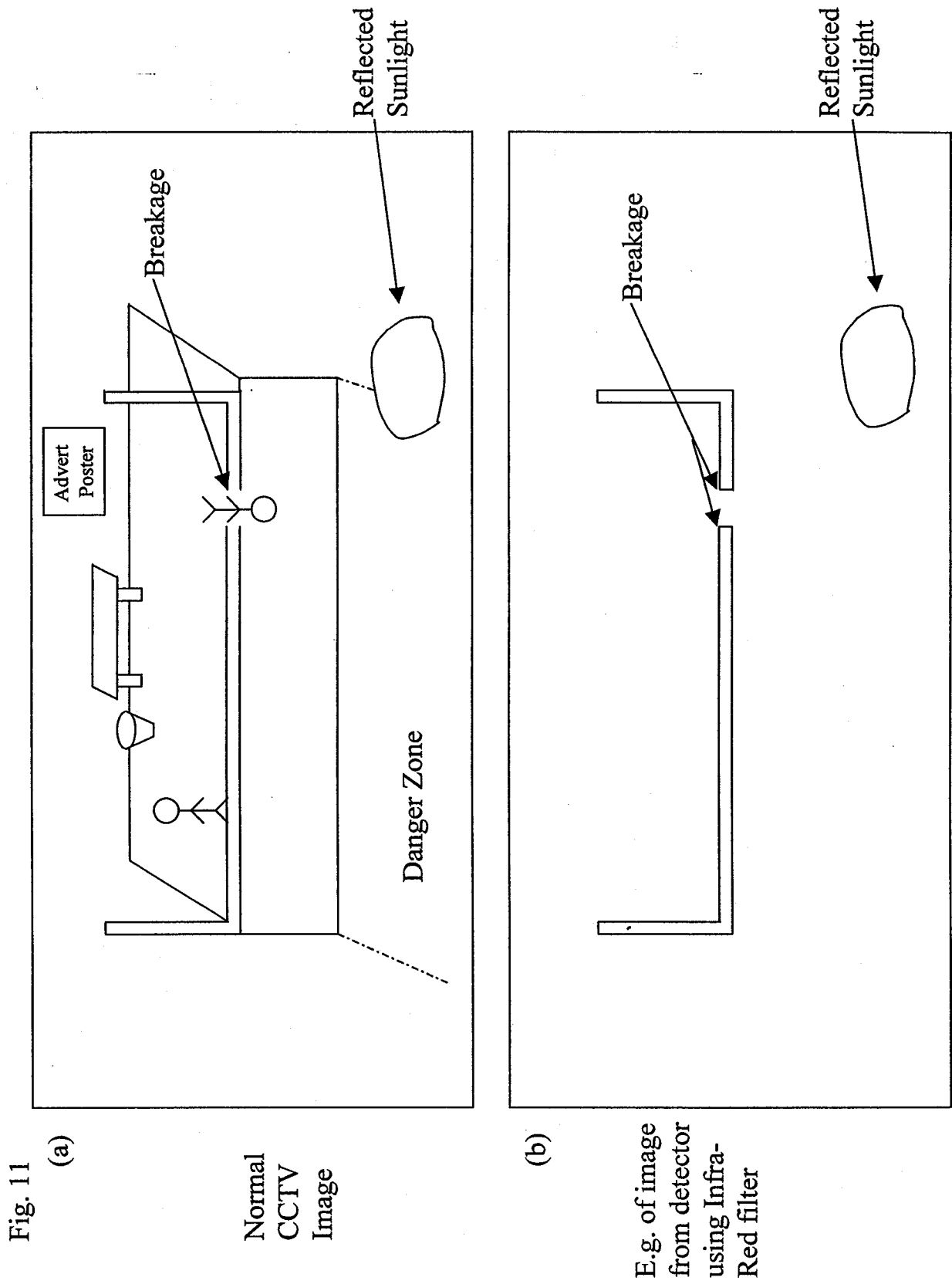


Figure 11 (c) Runner does not obstruct view of both cameras

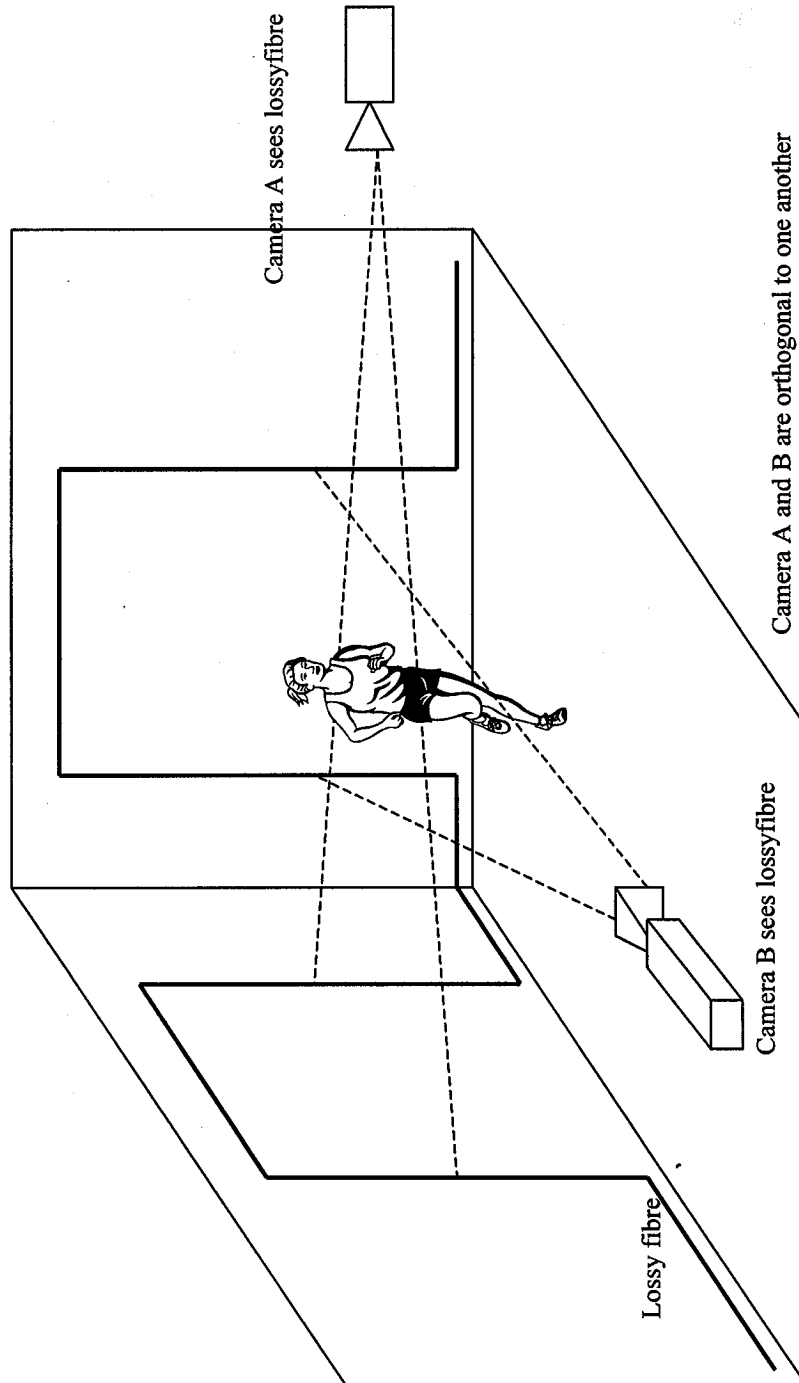
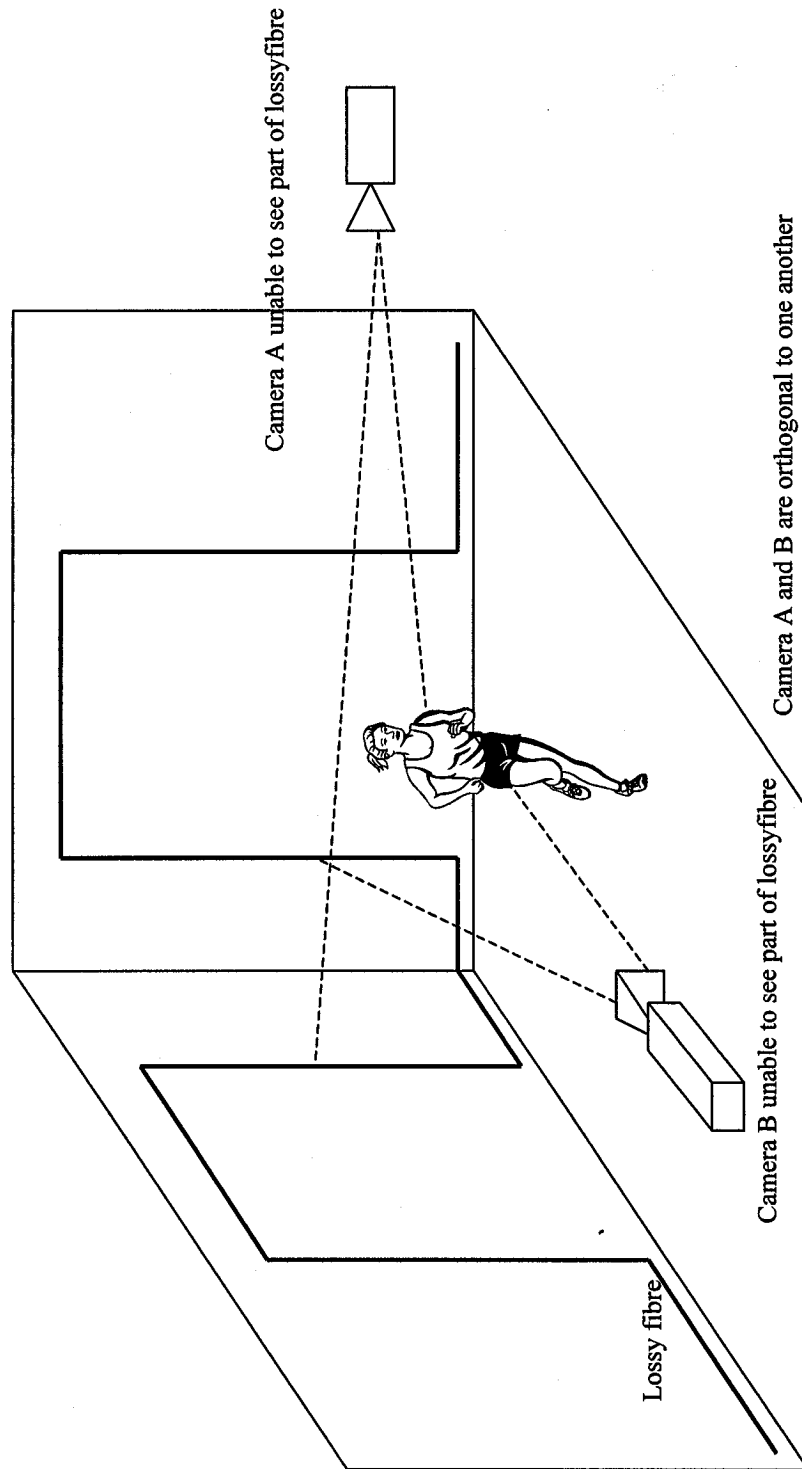


Figure 11 (d) Runner obstruct view of both cameras



LINE NUMBER

```

1      LABEL A:  INITIALISE
2      LABEL B:  IF OP(TEACH) THEN action
3                IF OP (CALIBRATE) THEN action
4      LABEL C:  EXTRACT OBJECT INFORMATION
5
6      LABEL D:  IF
7                {
8                OP1(OP2(characteristic1)) OP3(OP4(characteristic2)) ...
9                ... OPk(OPm(characteristicn))
10
11                OPa1(OPa2(characteristicb1)) OPa3(OPa4(characteristicb2)) ...
12                ... OPak(OPam(characteristicbn))
13
14                .....
15                }
16
17      THEN
18      OP1(OP2(action1)) OP3(OP4(action2)) ... .. OPs(OPt(actionp))
19      GOTO LABEL A
20     LABEL E:  END

```

where INITIALISE : initializes the parameters in the computational device

where TEACH : teaches the invention the characteristics of the source and detector

where CALIBRATE : translates parameters in the computational device into real world meanings, e.g. sensor info in real meteorological dimensions as in feet & inches

where EXTRACT OBJECT INFORMATION : extracts object information

where *characteristic_n*, for $n = 1$ to ∞

where OP_k is a logic operation_k, for $k = 1$ to ∞ , OP_{ak} is a logic operation_{ak}, for $ak = 1$ to ∞ , OP_m is a logic operation_m, for $m = 1$ to ∞ , OP_{am} is a logic operation_{am}, for $am = 1$ to ∞ , OP_s is a logic operation_s, for $s = 1$ to ∞ , OP_{as} is a logic operation_{as}, for $as = 1$ to ∞ , OP_t is a logic operation_t, for $t = 1$ to ∞ , OP_{at} is a logic operation_{at}, for $at = 1$ to ∞ .

where the logic operation can take the form of AND, OR, NOT, EXCLUSIVE OR, >, <, ≥, ≤, +, -, *, /, IF, THEN, NULL and any such mathematical operations or logic control flow operation such as a go to operation.

where *action_a* are actions or sequence of actions taken by the computational device, for $p = 1$ to ∞

where IF, THEN are conditional operations

where GOTO is a go to logic control flow operation

where LABEL is the sequence in logical step by which the GOTO operation goes to Alternatively, the GOTO operation can go to LABEL B to E instead of LABEL A.