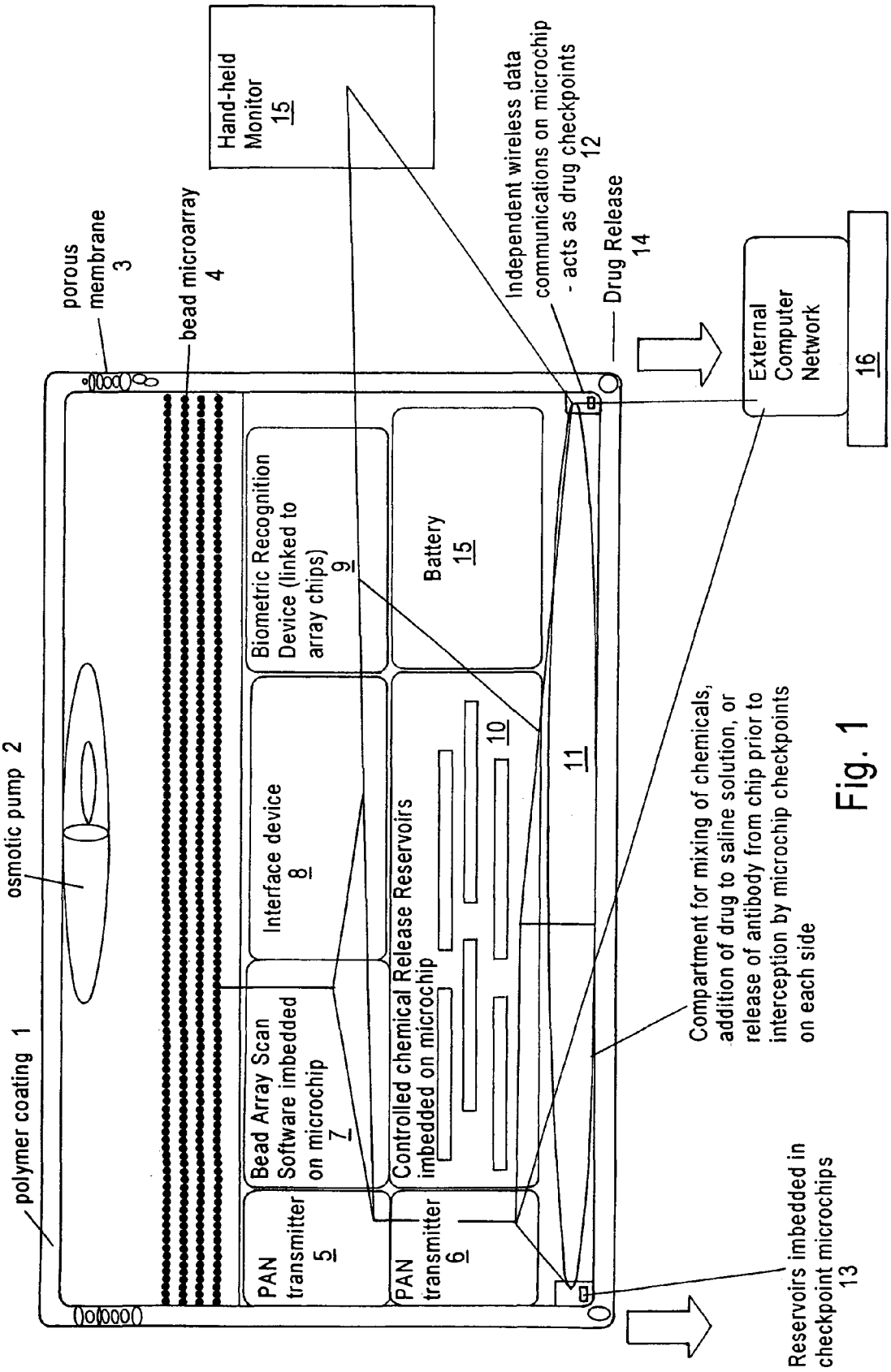
polymer coating 1
osmotic pump 2
porous membrane 3
bead microarray 4
Hand-held Monitor 15
Independent wireless data communications on microchip - acts as drug checkpoints 12
Drug Release 14
External Computer Network 16
Biometric Recognition Device (linked to array chips) 9
Battery 15
Interface device 8
Bead Array Scan Software imbedded on microchip 7
Controlled chemical Release Reservoirs imbedded on microchip
10
11
PAN transmitter 5
PAN transmitter 6
Compartment for mixing of chemicals, addition of drug to saline solution, or release of antibody from chip prior to interception by microchip checkpoints on each side
Reservoirs imbedded in checkpoint microchips 13

Fig. 1