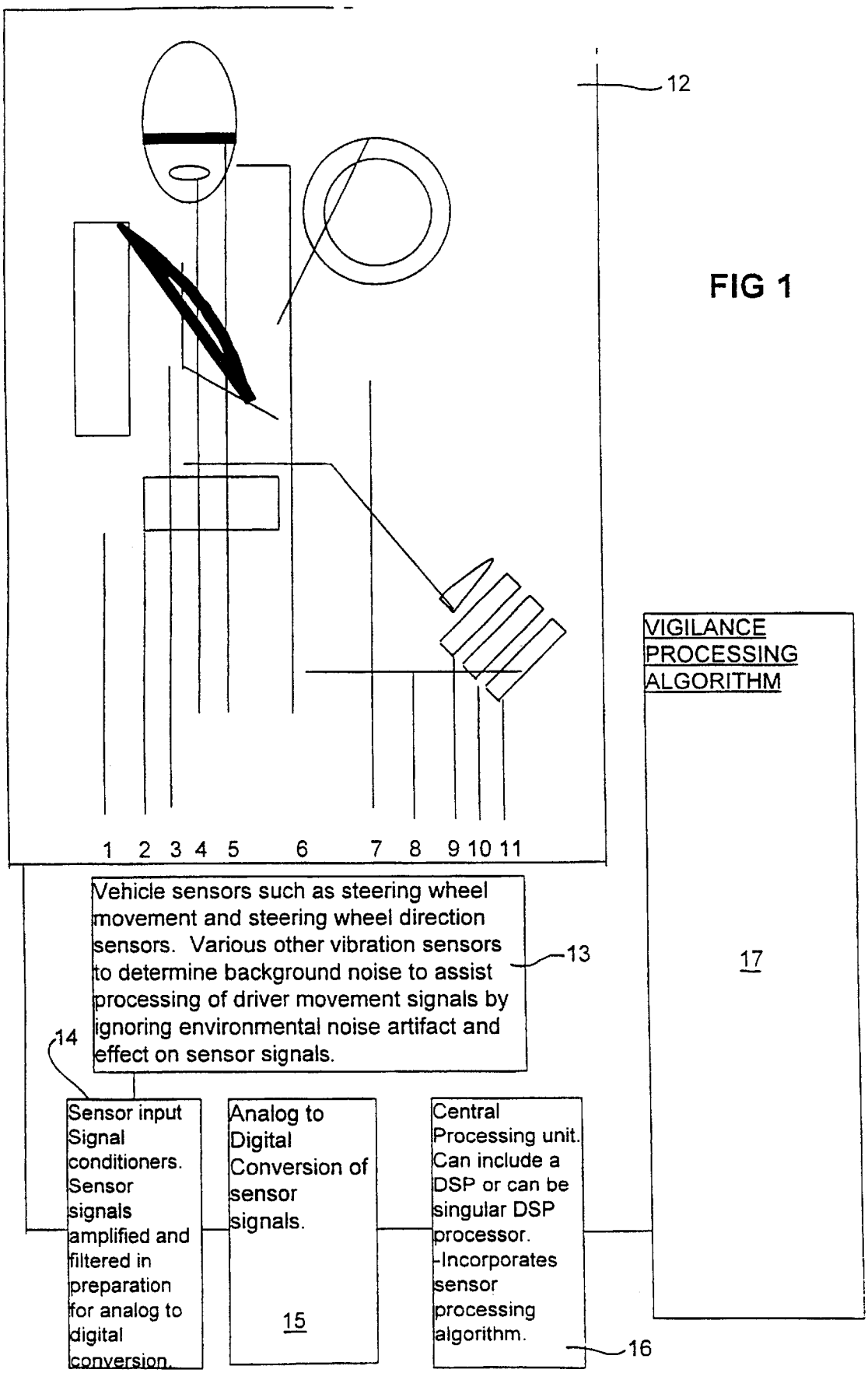
12
1 2 3 4 5 6 7 8 9 10 11
Vehicle sensors such as steering wheel movement and steering wheel direction sensors. Various other vibration sensors to determine background noise to assist processing of driver movement signals by ignoring environmental noise artifact and effect on sensor signals.
13
14
Sensor input Signal conditioners. Sensor signals amplified and filtered in preparation for analog to digital conversion.
Analog to Digital Conversion of sensor signals.
15
Central Processing unit. Can include a DSP or can be singular DSP processor. -Incorporates sensor processing algorithm.
16
VIGILANCE PROCESSING ALGORITHM
17

FIG 1