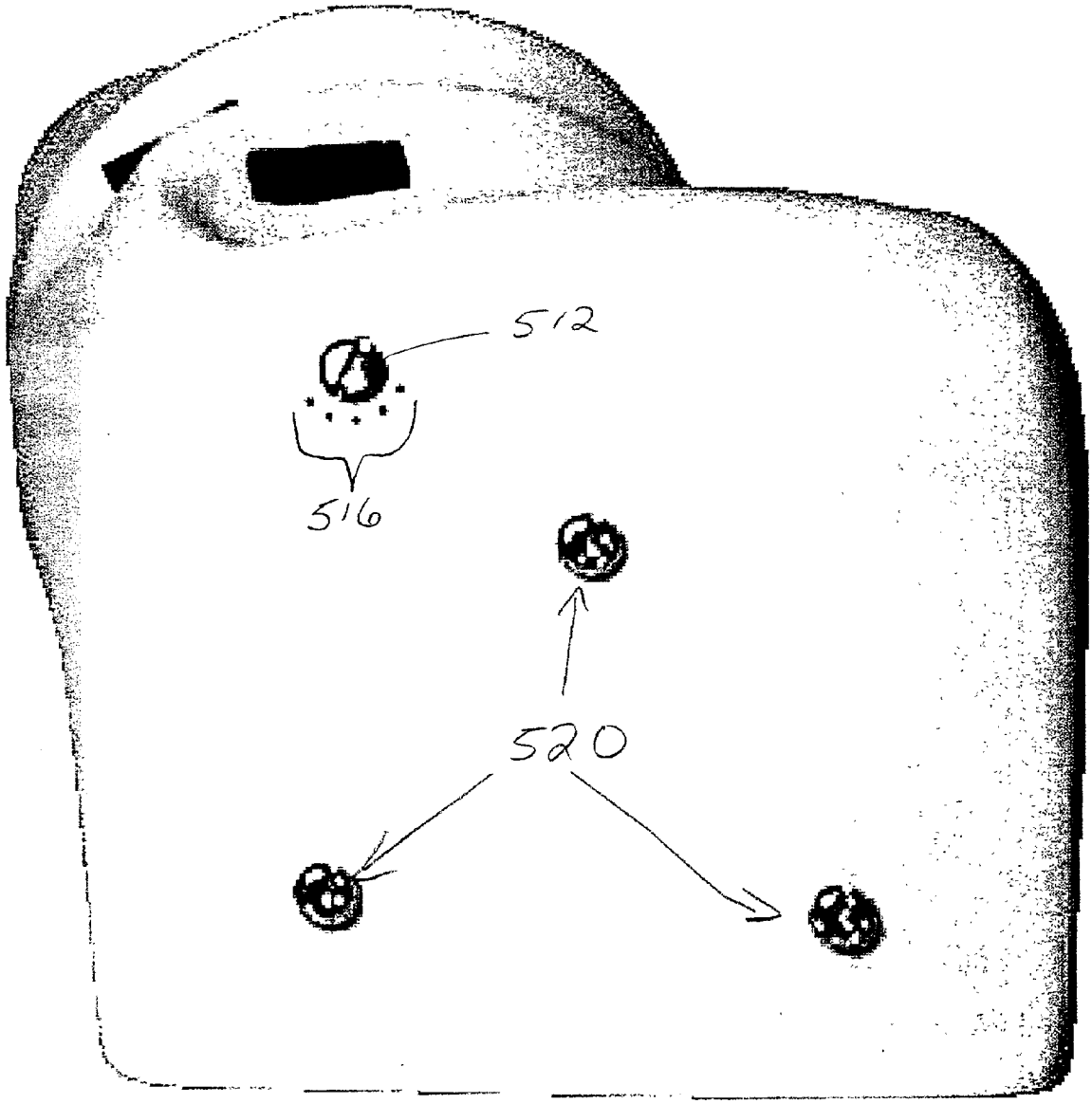FIG 18