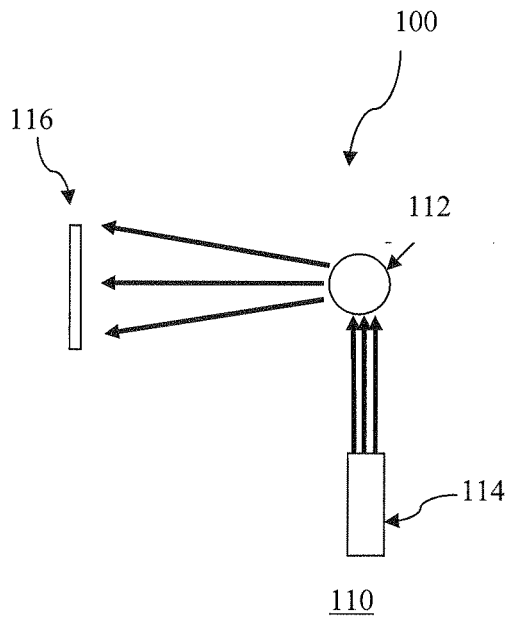
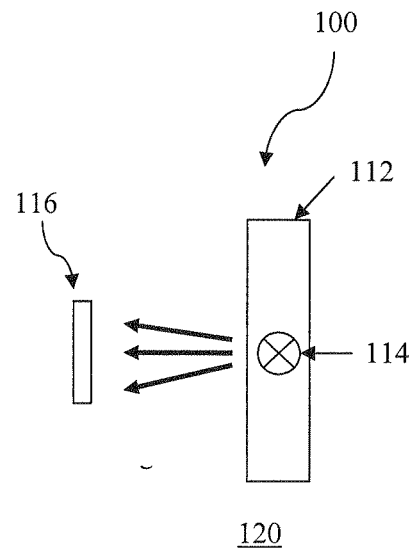
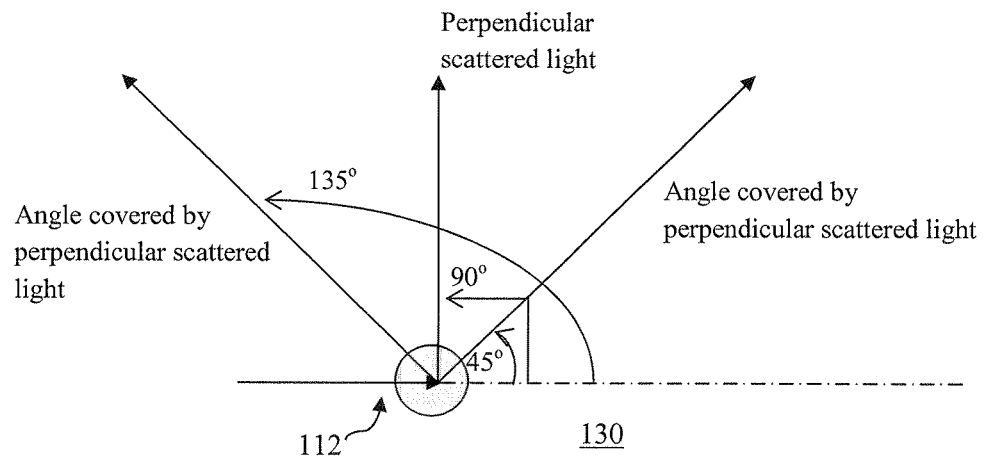
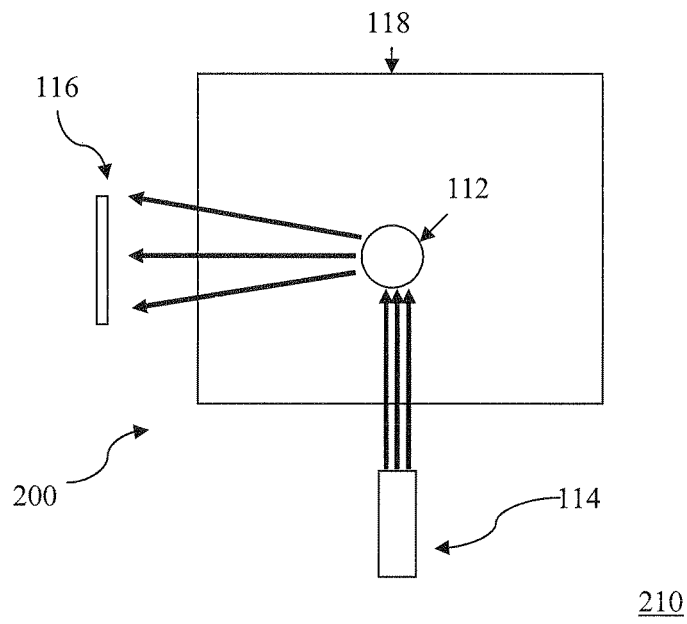
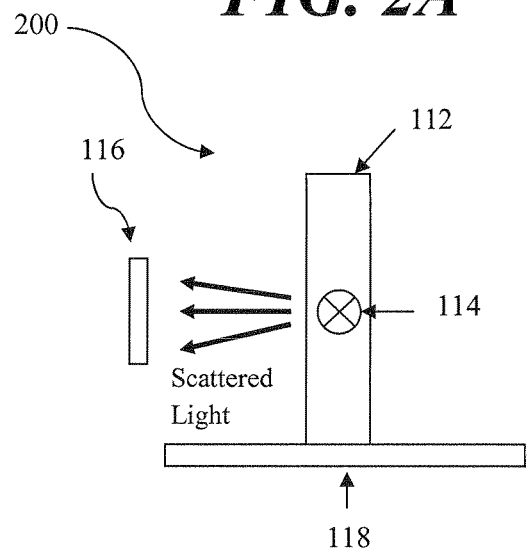
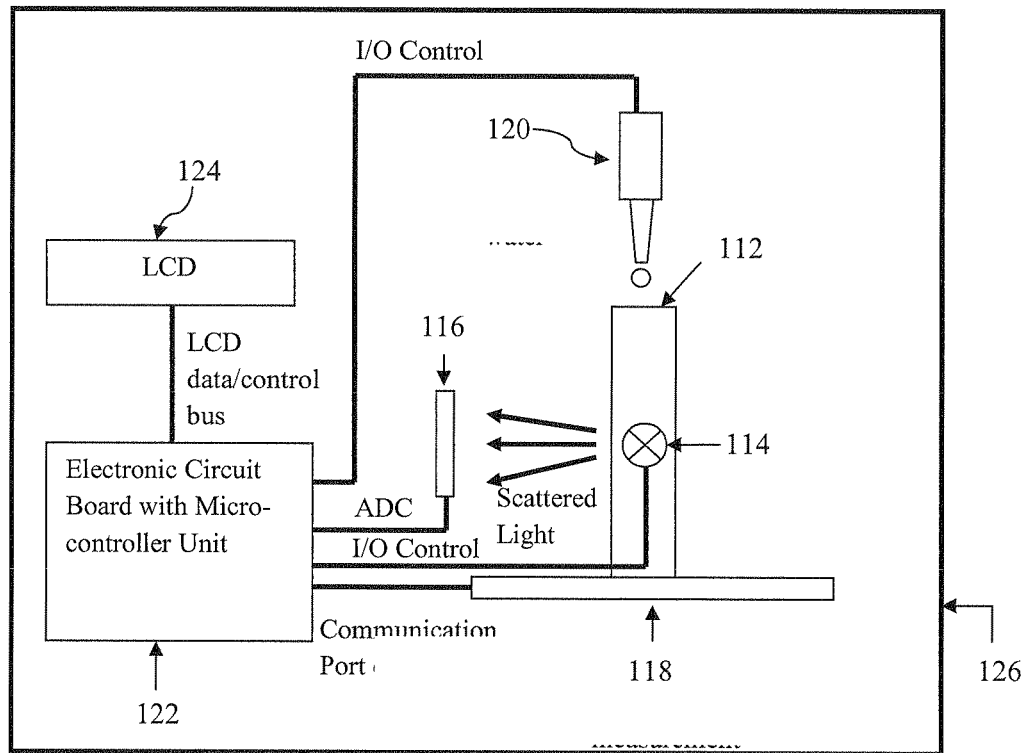
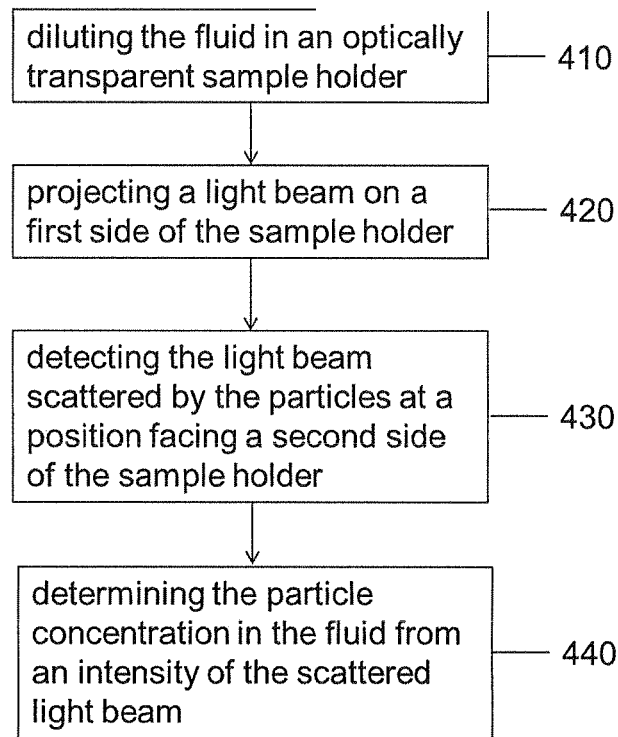
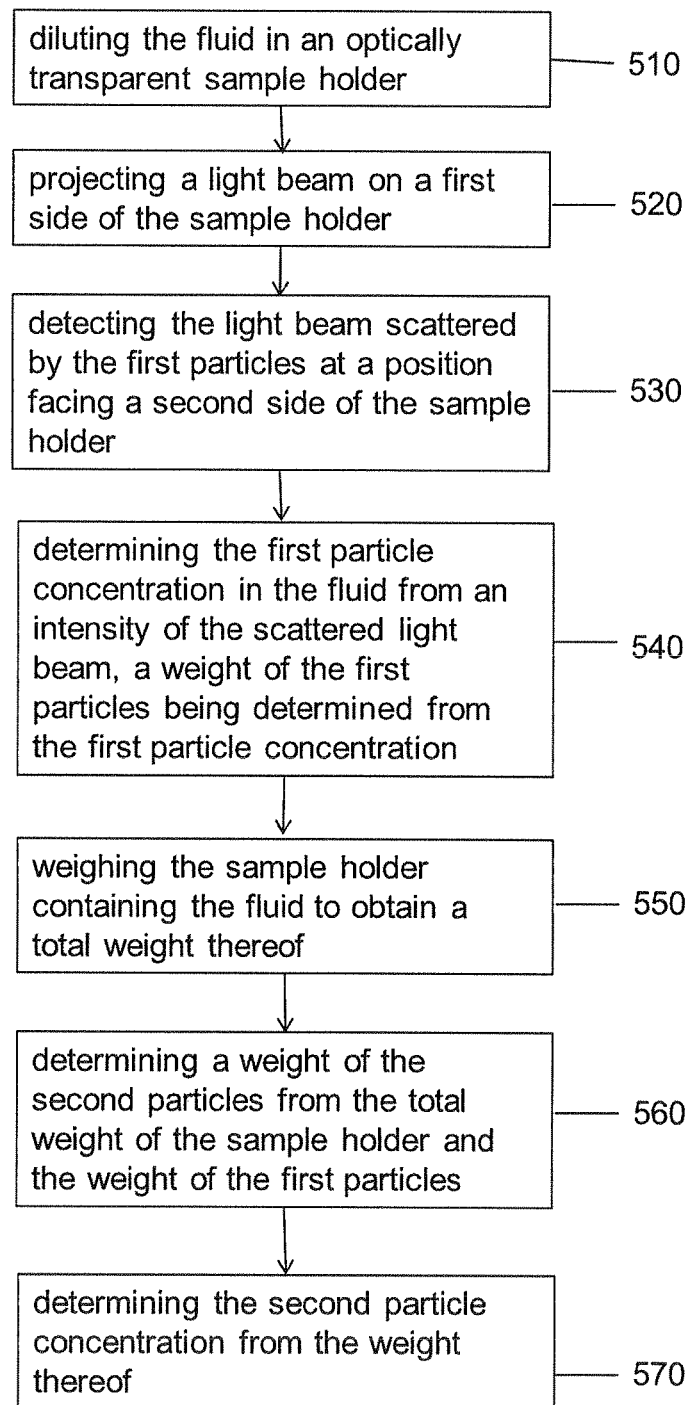


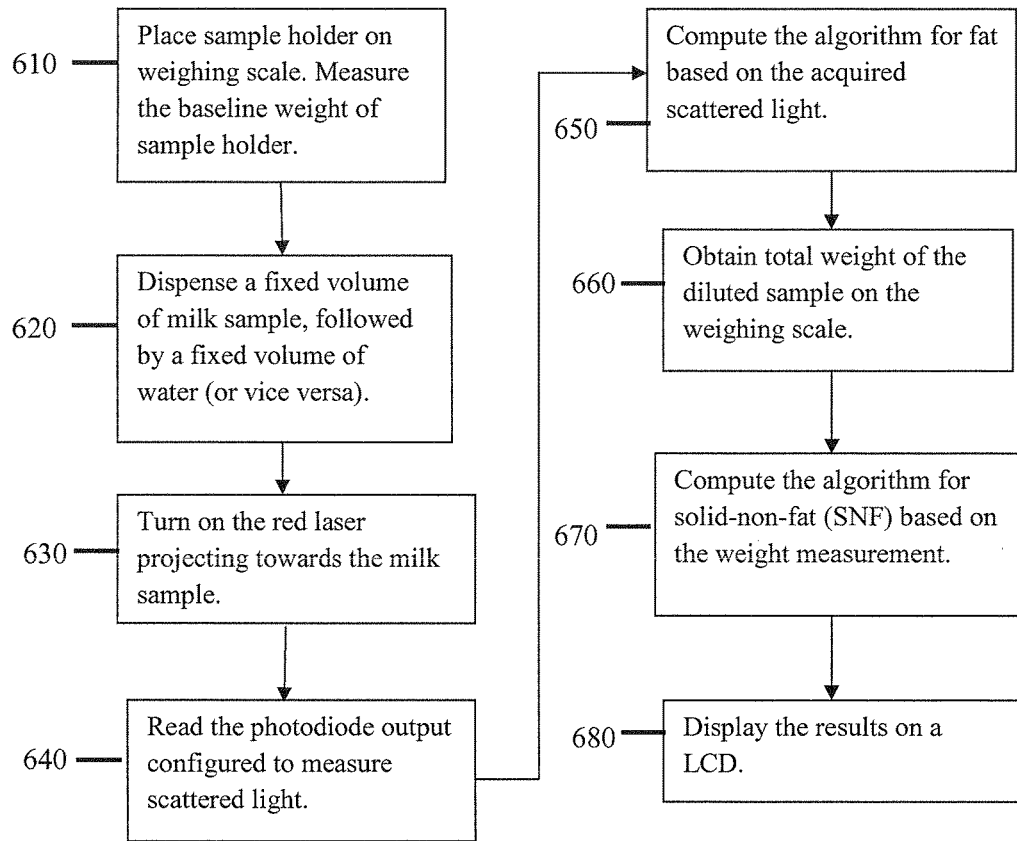
**FIG. 1A****FIG. 1B****FIG. 1C**

**FIG. 2A**220**FIG. 2B**

300**FIG. 3**

***FIG. 4***

**FIG. 5**

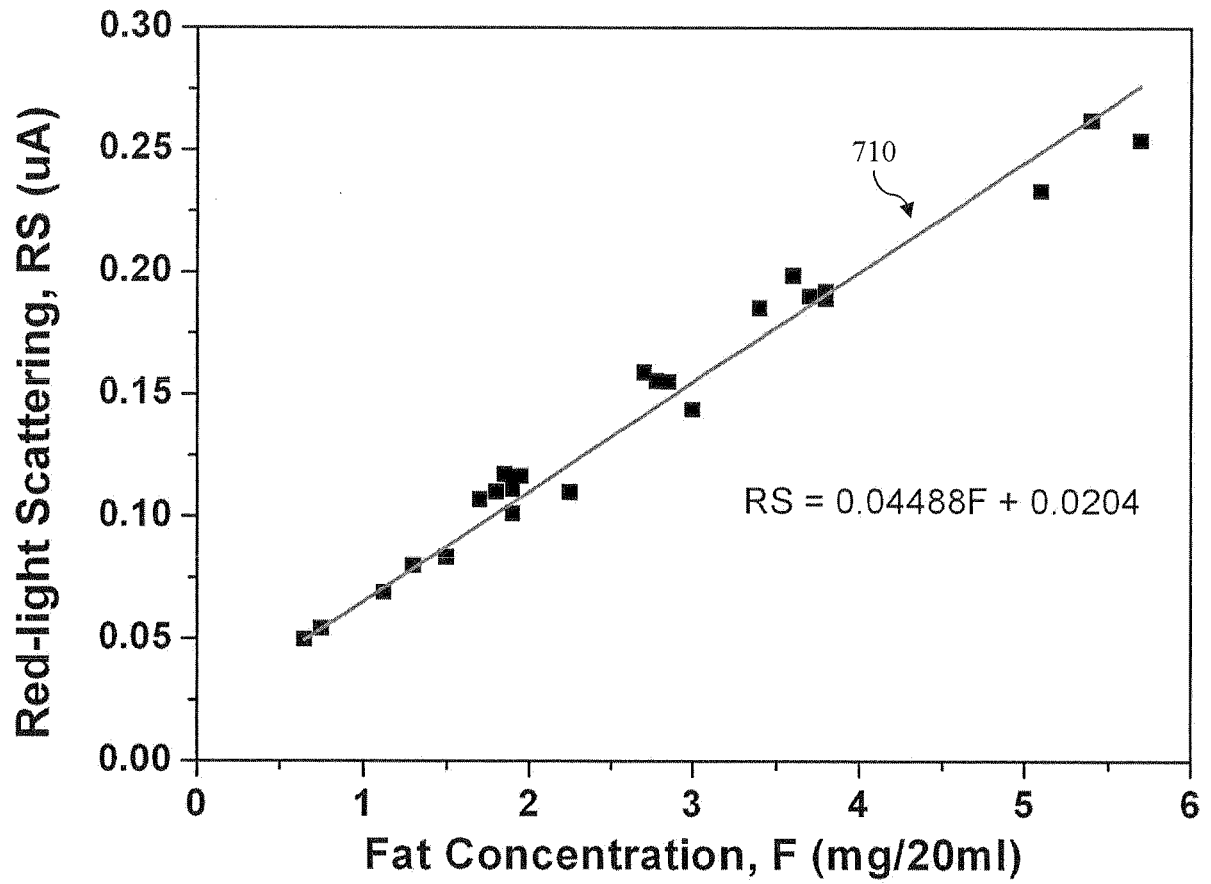


600

FIG. 6

Brands (Fat Conc. g/100ml) / Sample Label	Volume of Milk Dispensed (ul)	Volume of Water (ml)	Fat Concentration (mg/20 ml)
Farmhouse Full Fat (3.8g/100ml) / FHFx1	50	19.95	1.9
Farmhouse Full Fat (3.8g/100ml) / FHFx2	100	19.9	3.8
Farmhouse Full Fat (3.8g/100ml) / FHFx3	150	19.85	5.7
Farmhouse Low Fat (1.5g/100ml) / FHLx1	50	19.95	0.75
Farmhouse Low Fat (1.5g/100ml) / FHLx1.5	75	19.925	1.125
Farmhouse Low Fat (1.5g/100ml) / FHLx2	100	19.90	1.50
Farmhouse Low Fat (1.5g/100ml) / FHLx3	150	19.85	2.25
Farmhouse Low Fat (1.5g/100ml) / FHLx4	200	19.8	3
Greenfield Full Fat (3.7g/100ml) / GFFx1	50	19.95	1.85
Greenfield Full Fat (3.7g/100ml) / GFFx1.5	75	19.925	2.775
Greenfield Full Fat (3.7g/100ml) / GFFx2	100	19.9	3.7
Greenfield Low Fat (1.3g/100ml) / GFLx1	50	19.95	0.65
Greenfield Low Fat (1.3g/100ml) / GFLx2	100	19.9	1.3
Greenfield Low Fat (1.3g/100ml) / GFLx3	150	19.85	1.95
Magnolia Full Fat (3.8g/100ml) / MLx1	50	19.95	1.9
Magnolia Full Fat (3.8g/100ml) / MLx1.5	75	19.925	2.85
Magnolia Full Fat (3.8g/100ml) / MLx2	100	19.9	3.8
Marigold Full Fat (3.6g/100ml) / MGx1	50	19.95	1.8
Marigold Full Fat (3.6g/100ml) / MGx1.5	75	19.925	2.7
Marigold Full Fat (3.6g/100ml) / MGx2	100	19.9	3.6
Marigold Full Fat (3.6g/100ml) / MGx3	150	19.85	5.4
Pura Full Fat (3.4g/100ml) / PRx1	50	19.95	1.7
Pura Full Fat (3.4g/100ml) / PRx2	100	19.9	3.4
Pura Full Fat (3.4g/100ml) / PRx3	150	19.85	5.1

Table 1

700***FIG. 7***

Sample Label	Fat Concentration (mg/20 ml)	Scattered Red Light Photocurrent / μA	Computed Fat Conc. Based on Fitted Equation	Error / %
FHFx1	1.9	0.1108	2.01	6.0
FHFx2	3.8	0.189	3.76	-1.1
FHFx3	5.7	0.2538	5.20	-8.8
FHLx1	0.75	0.0541	0.75	0.1
FHLx1.5	1.125	0.0689	1.08	-3.9
FHLx2	1.50	0.0834	1.40	-6.4
FHLx3	2.25	0.1098	1.99	-11.5
FHLx4	3	0.1436	2.75	-8.5
GFFx1	1.85	0.1171	2.15	16.5
GFFx1.5	2.775	0.1554	3.01	8.4
GFFx2	3.7	0.19	3.78	2.1
GFLx1	0.65	0.0497	0.65	0.4
GFLx2	1.3	0.0799	1.33	2.0
GFLx3	1.95	0.1163	2.14	9.6
MLx1	1.9	0.1012	1.80	-5.2
MLx1.5	2.85	0.155	3.00	5.2
MLx2	3.8	0.192	3.82	0.6
MGx1	1.8	0.11	2.00	10.9
MGx1.5	2.7	0.1588	3.08	14.2
MGx2	3.6	0.1985	3.97	10.2
MGx3	5.4	0.262	5.38	-0.3
PRx1	1.7	0.1068	1.93	13.2
PRx2	3.4	0.1852	3.67	8.0
PRx3	5.1	0.2331	4.74	-7.1

Table 2