

FIG. 1

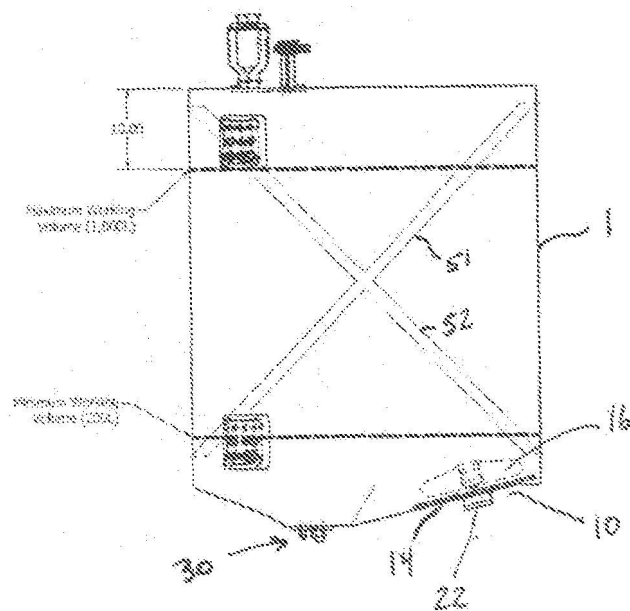


FIG. 2

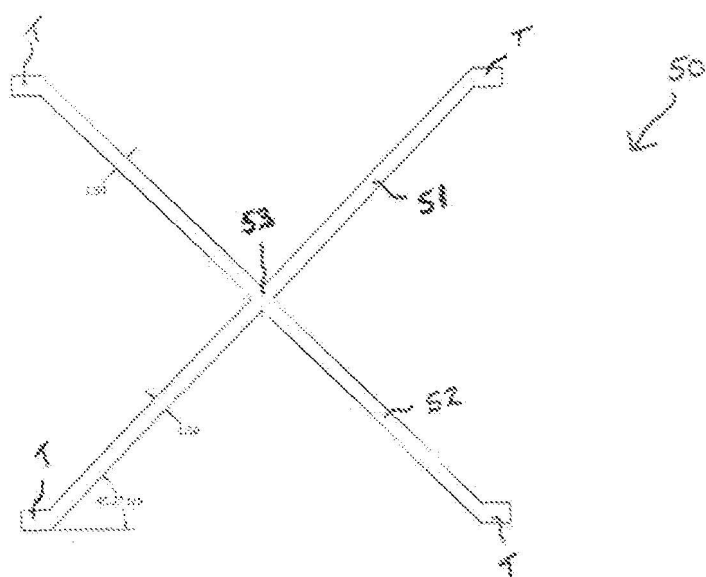


FIG 3

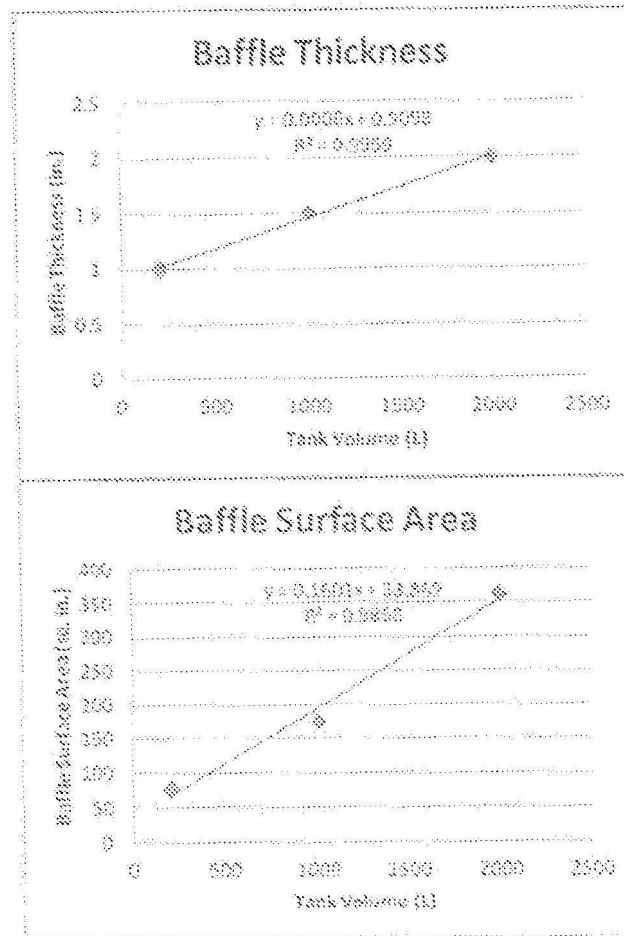


Figure 3. Optimal baffle thickness and surface area is proportional to the volume of the tank.

Fig. 4

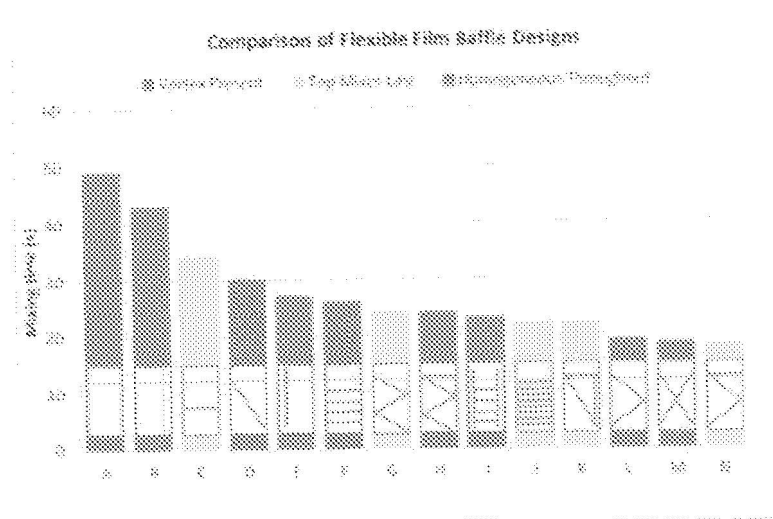


Figure 4. Mixing time and quality produced by a sampling of flexible film baffles in a 100 L tank. A and B represent the metal rods that hold the film baffle in place inside the tank. These were not in controls to ensure that any effects on mixing were caused by the baffles and not the holders. E represents the standard rigid paddle baffle.

Table 2. Description of flexible film baffles represented in Figure 4.

Baffle Label	Description	Baffle Thickness
A	Holder rods in outer position	N/A
B	Holder rods in inner position	N/A
C	One horizontal slot	2"
D	Diagonal	5"
E	Standard rigid paddle baffle	5"
F	Four horizontal slots	5"
G	Three zig-zags	5"
H	Three zig-zags w/ horizontal top	5"
I	4 rung ladder	5"
J	Eight horizontal slots	5"
K	Triangle	5"
L	Two zig-zags	5"
M	X	5"
N	Two zig-zags w/ horizontal top	5"

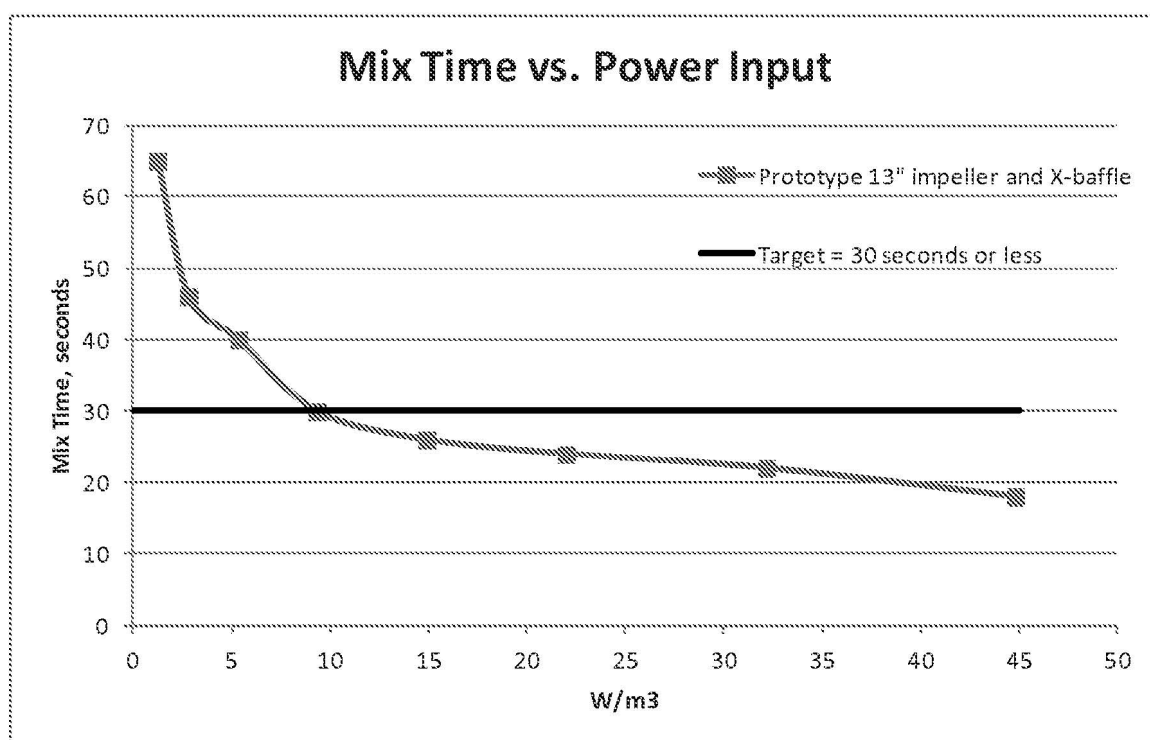


FIG. 5

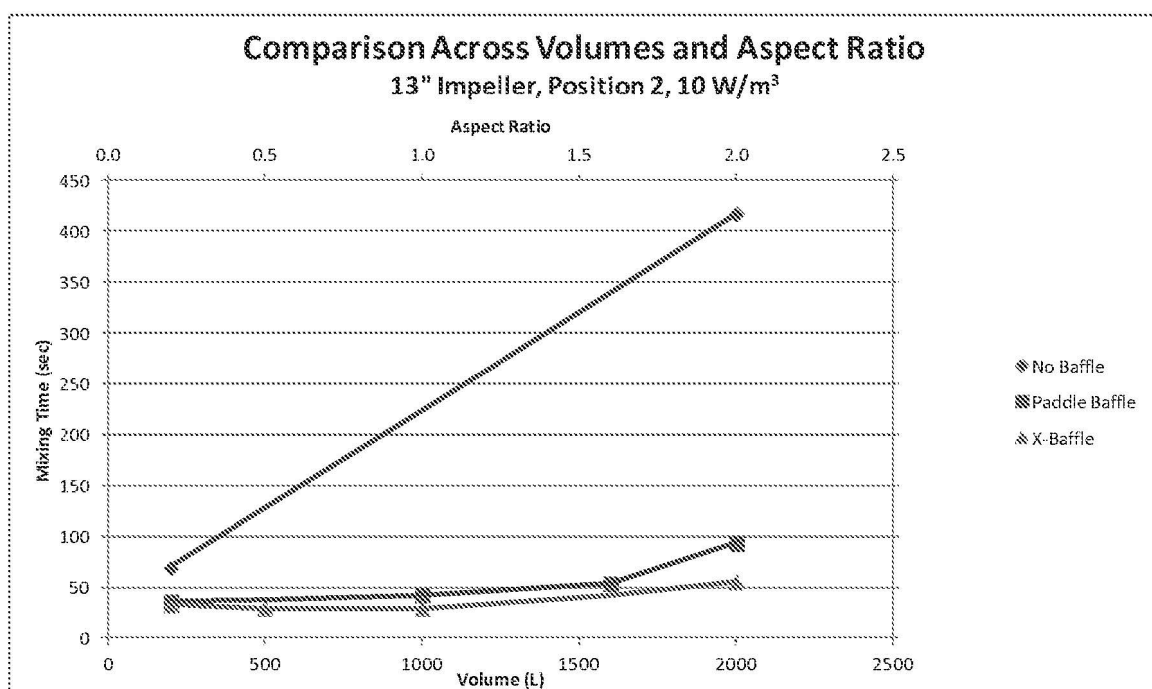


FIG. 6

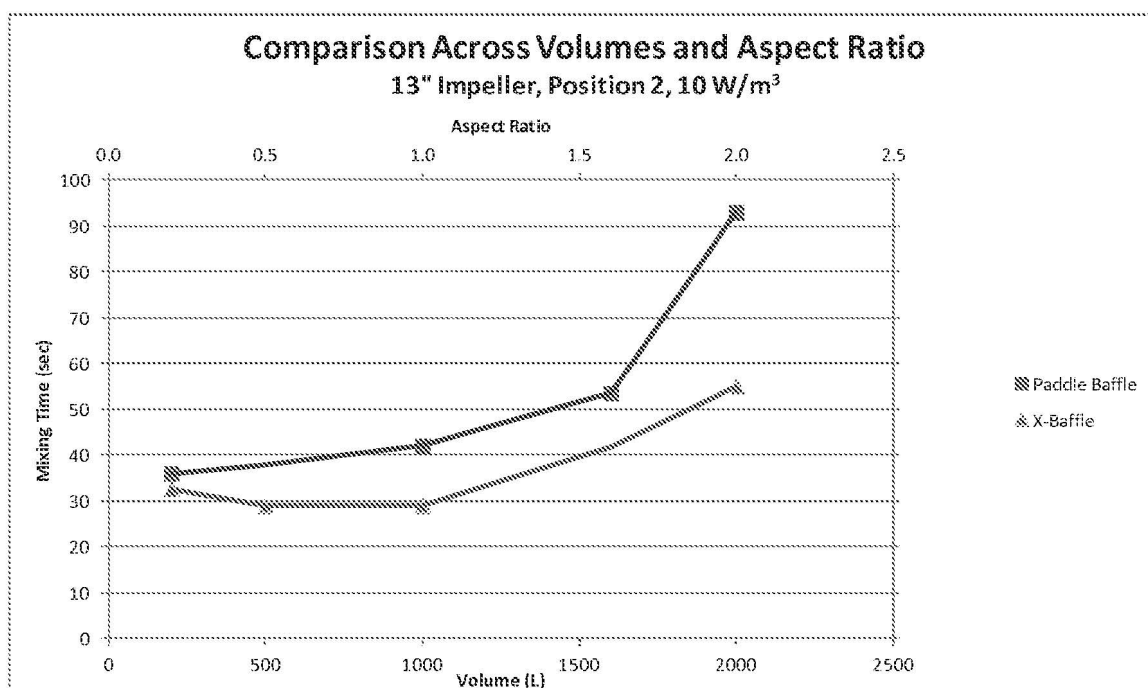


FIG. 7