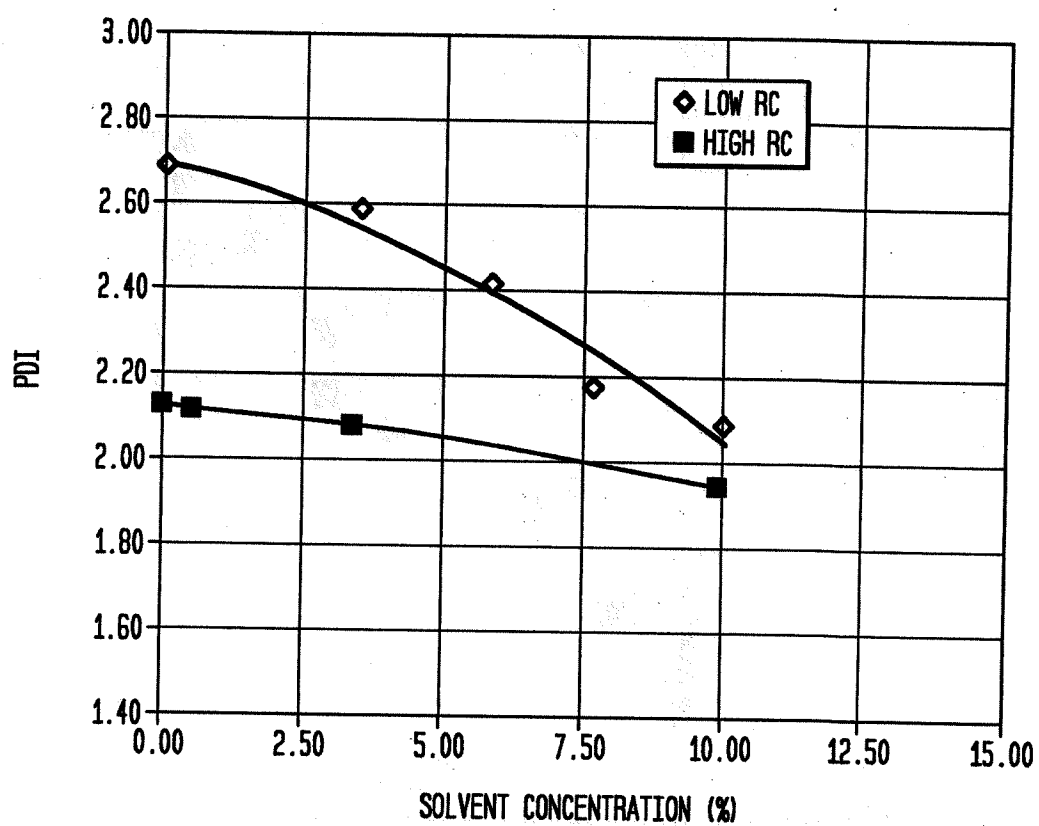


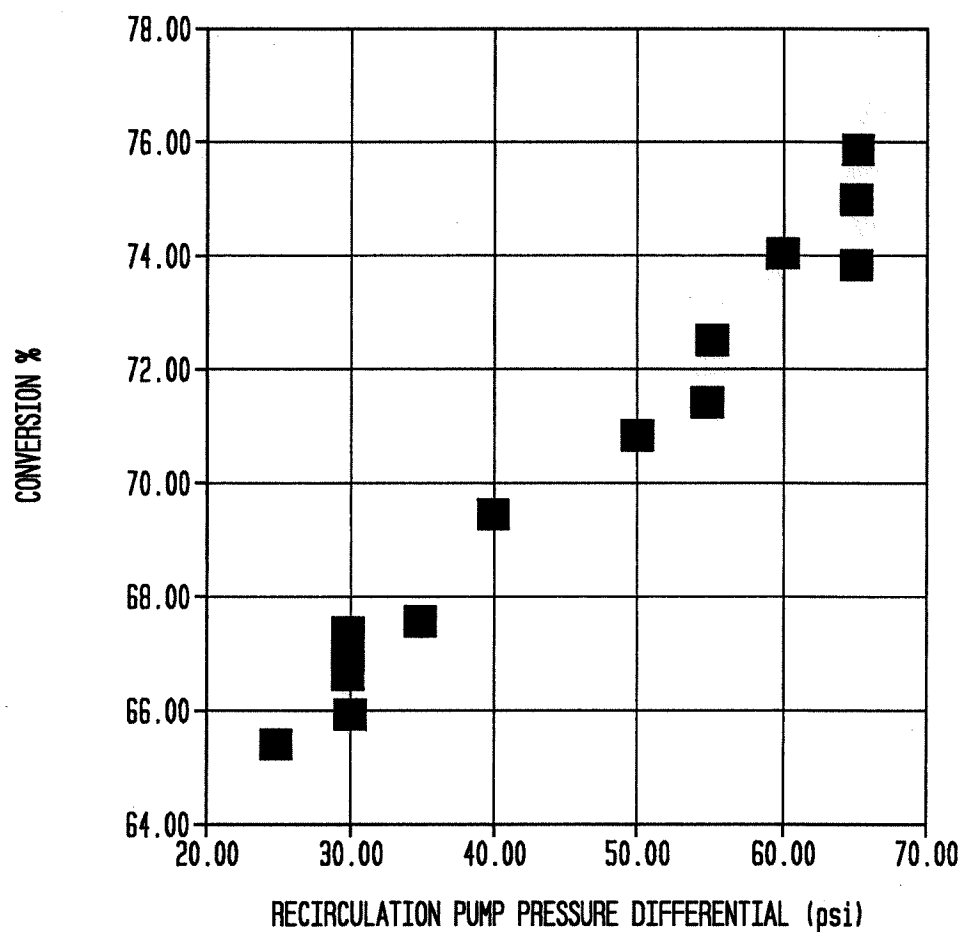
1/6

FIG. 1POLYDISPERSITY VERSUS DILUENT CONTENT,
HIGHLY REACTIVE PIB, NOMINAL M_n of 2400

2/6

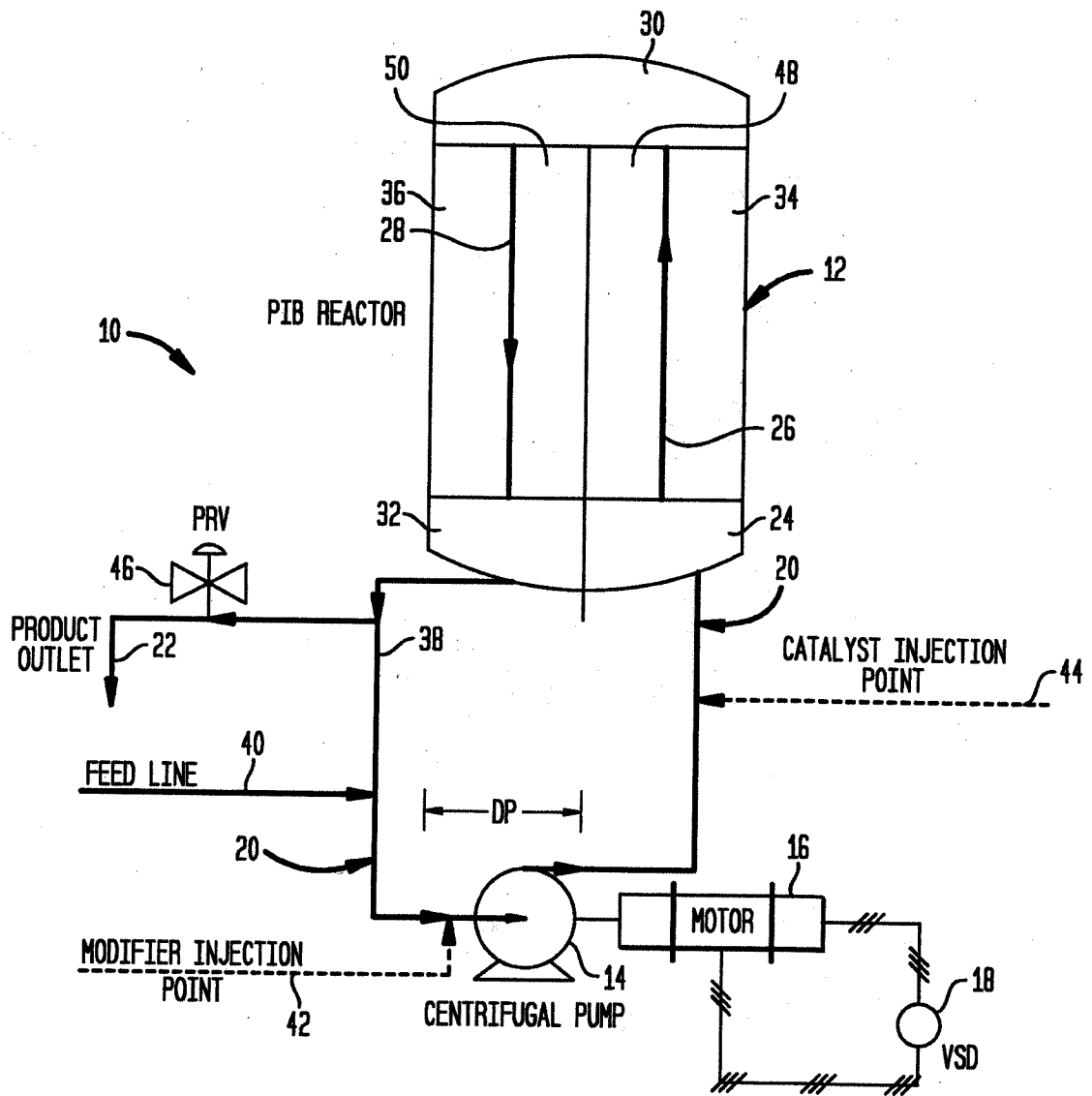
FIG. 2

CONVERSION AS A FUNCTION OF DELTA P (CIRCULATION RATE);
HIGHLY REACTIVE PIB; NOMINAL Mn of 1000



3/6

FIG. 3



4/6

FIG. 4

$$Q = \dot{m} c_p (t_1 - t_2) = \dot{M} C_p (T_1 - T_2) \quad (1)$$

$$Q = U A F_t \Delta t \quad (2)$$

$$\Delta t = \frac{(T_1 - t_2) - (T_2 - t_1)}{\ln \left\{ \frac{(T_1 - t_2)}{(T_2 - t_1)} \right\}} \quad (3)$$

$$F_t = \frac{\sqrt{R^2 + 1}}{R - 1} \frac{\ln \frac{(1-S)}{(1-RS)}}{\ln \frac{2-S(R+1-\sqrt{R^2+1})}{2-S(R+1+\sqrt{R^2+1})}} \quad (4)$$

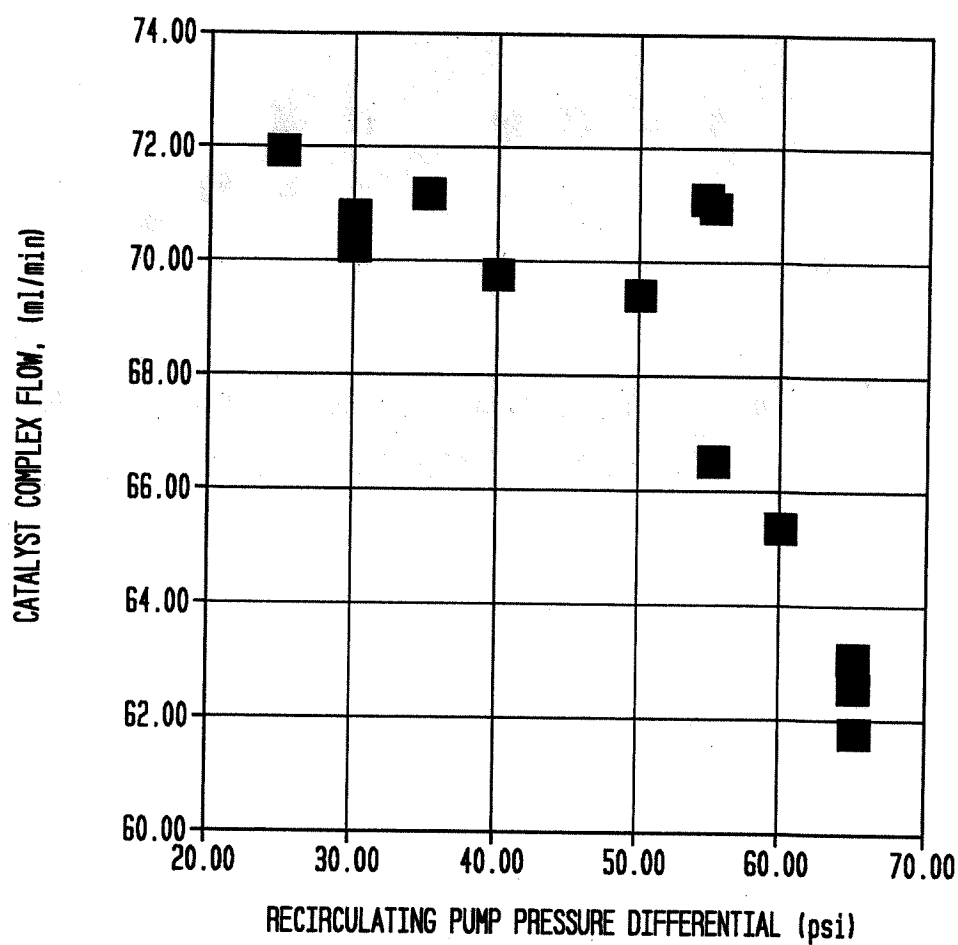
$$R = \frac{(T_1 - T_2)}{(t_2 - t_1)} ; S = \frac{(t_2 - t_1)}{(T_1 - t_1)} \quad (5)$$

$$U = Q / (A F_t \Delta t) \quad (6)$$

5/6

FIG. 5

CATALYST FEED AS A FUNCTION OF DELTA P (CIRCULATION RATE),
HIGHLY REACTIVE PIB; NOMINAL Mn of 1000



6/6

FIG. 6

METHANOL FEED AS A FUNCTION OF DELTA P (CIRCULATION RATE);
HIGHLY REACTIVE PIB; NOMINAL Mn of 1000

