

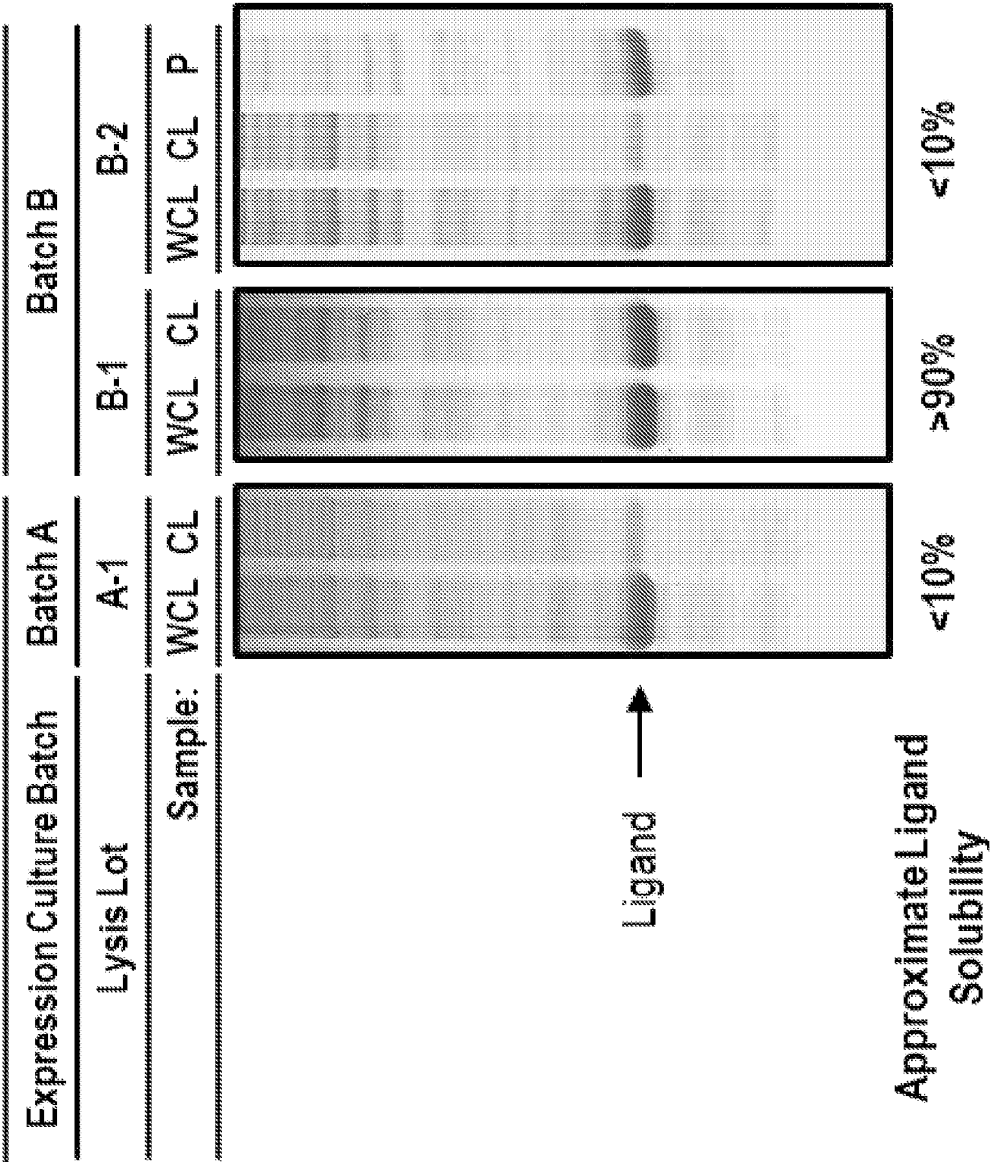


FIG. 1

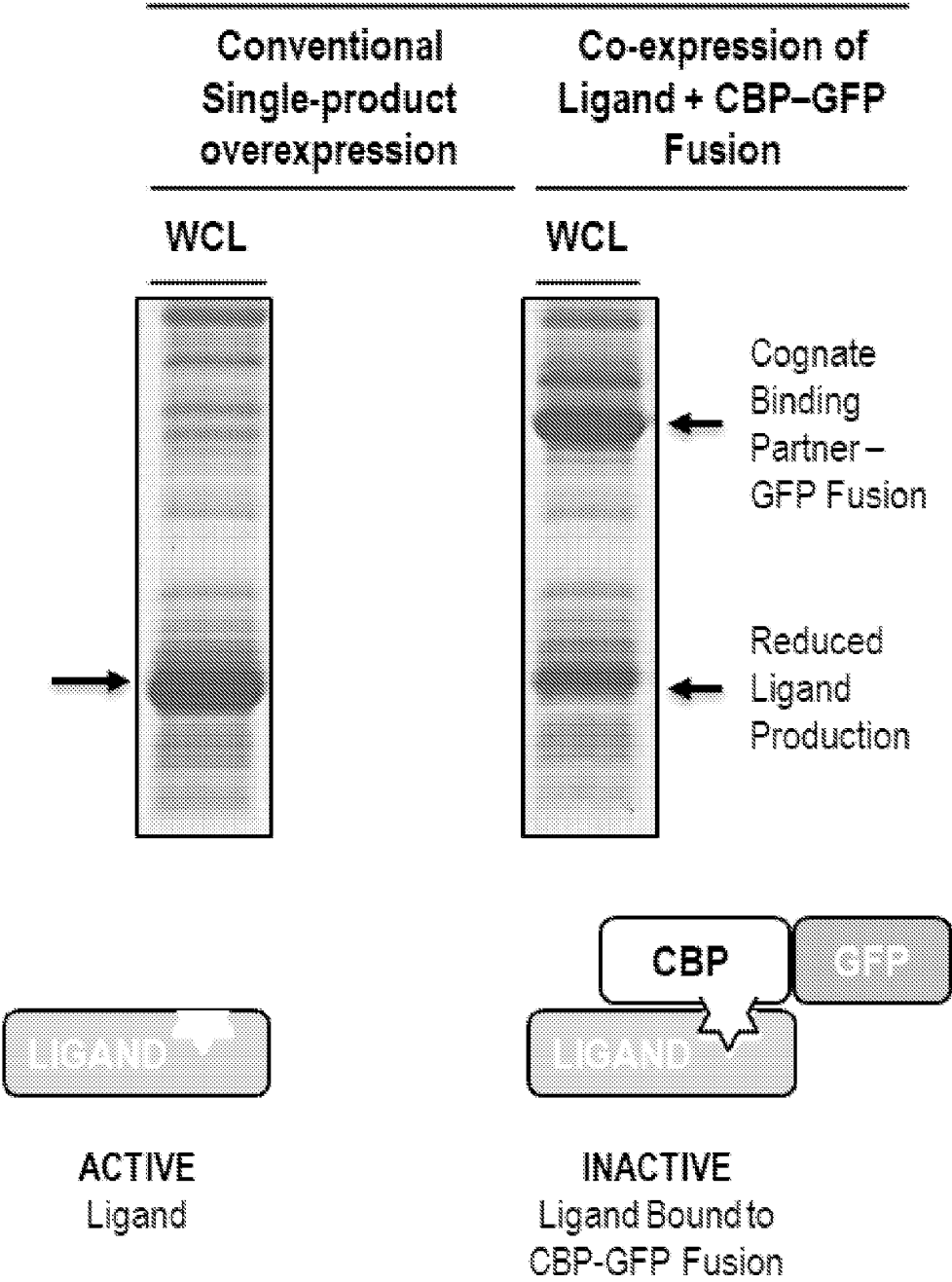


FIG. 2

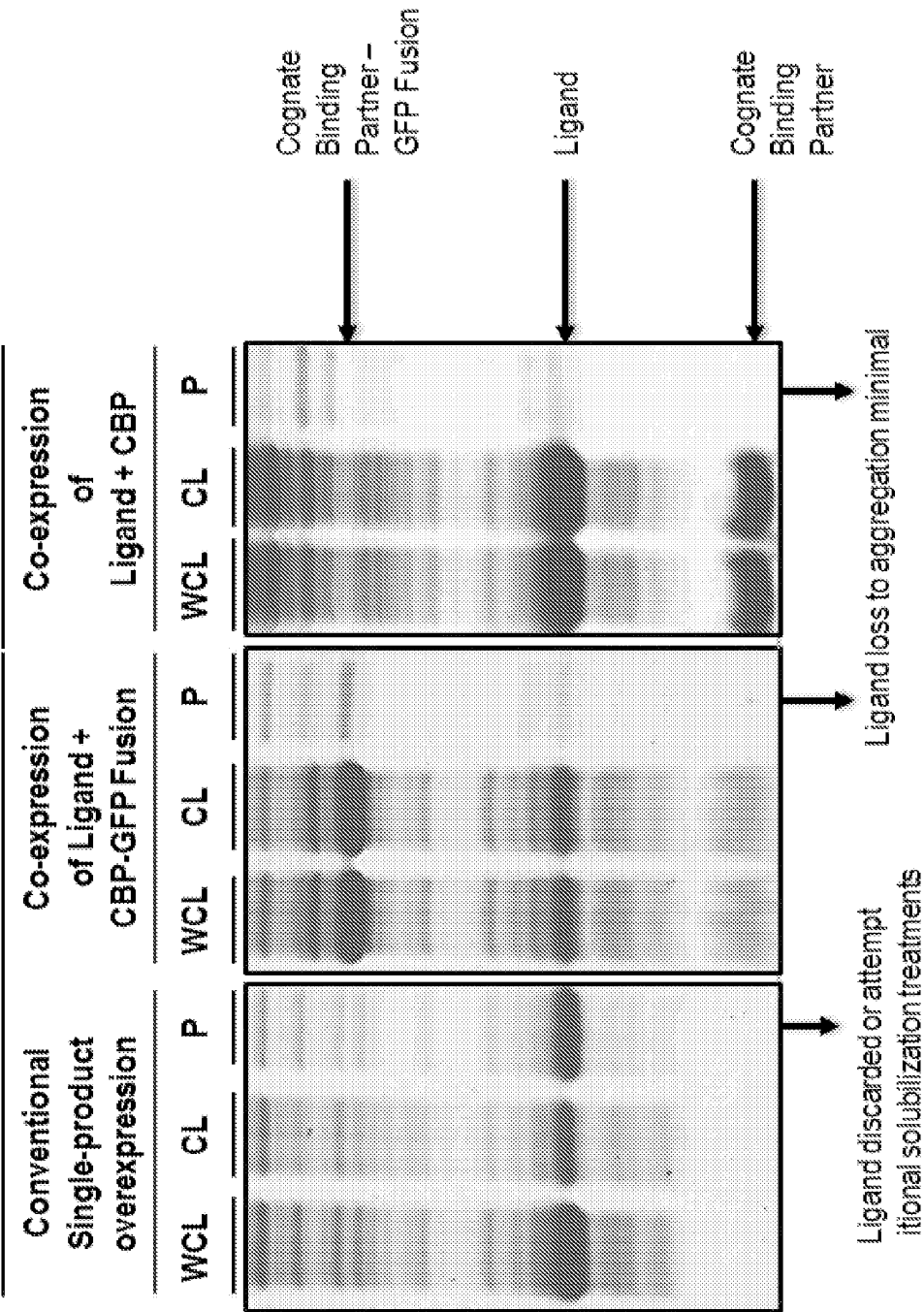


FIG. 3

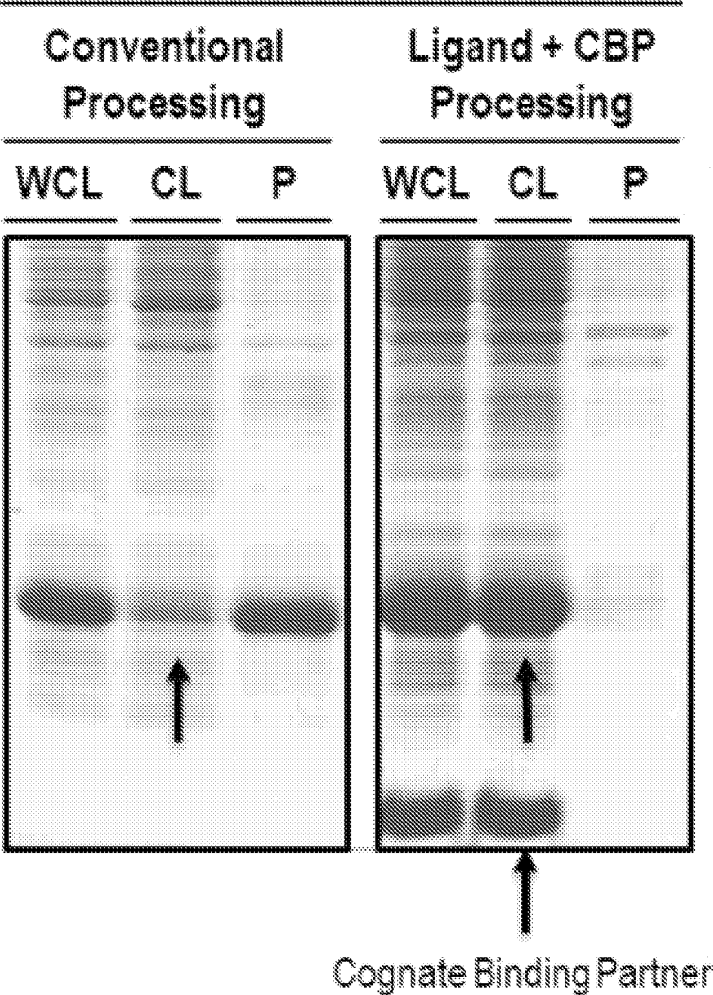


FIG. 4A

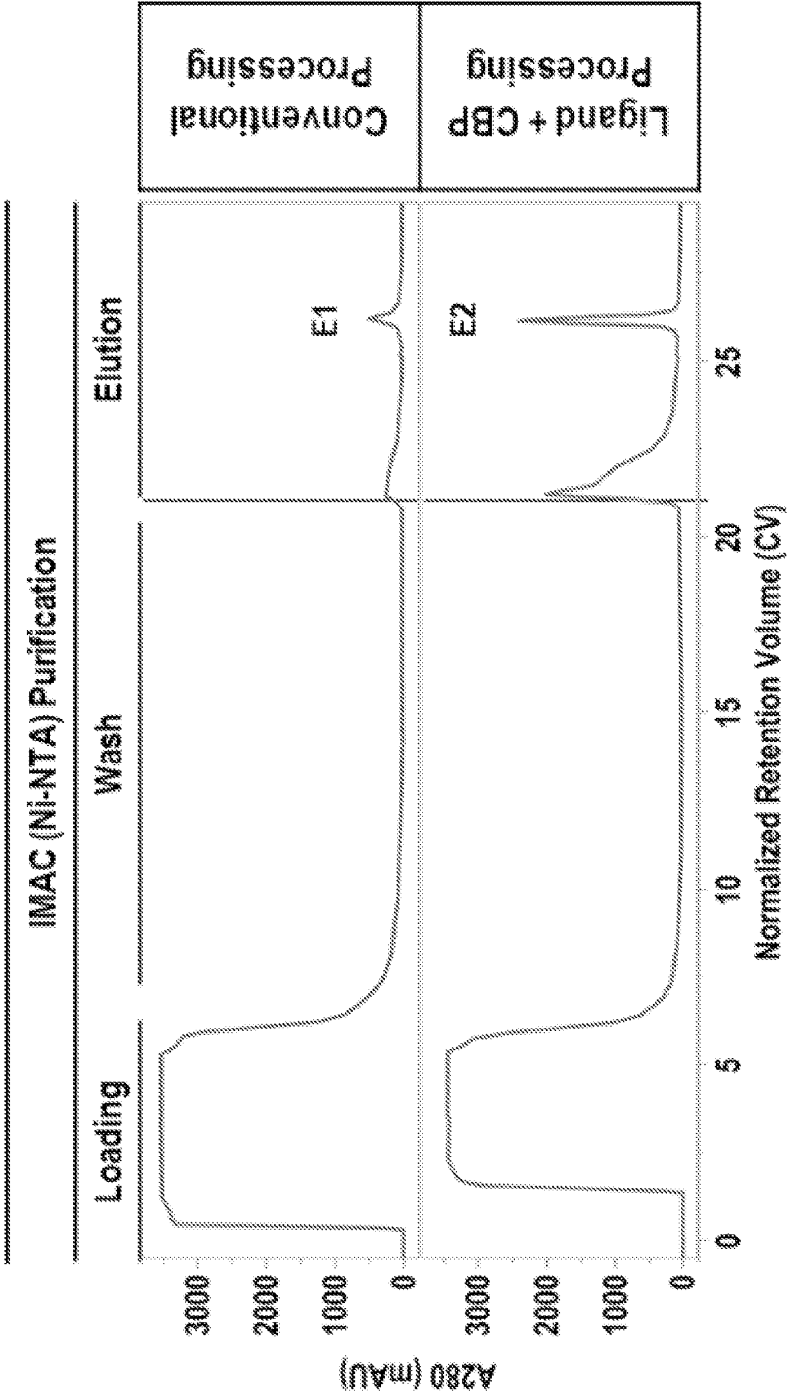
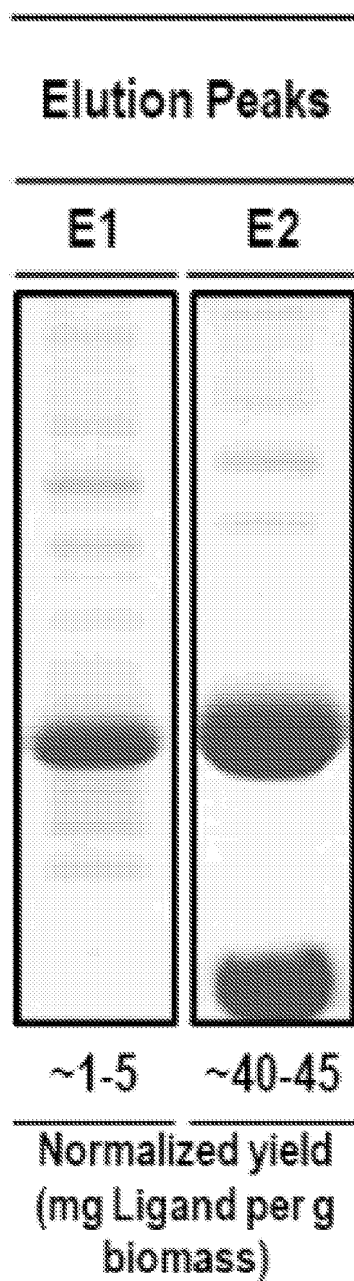


FIG. 4B

**FIG. 4C**

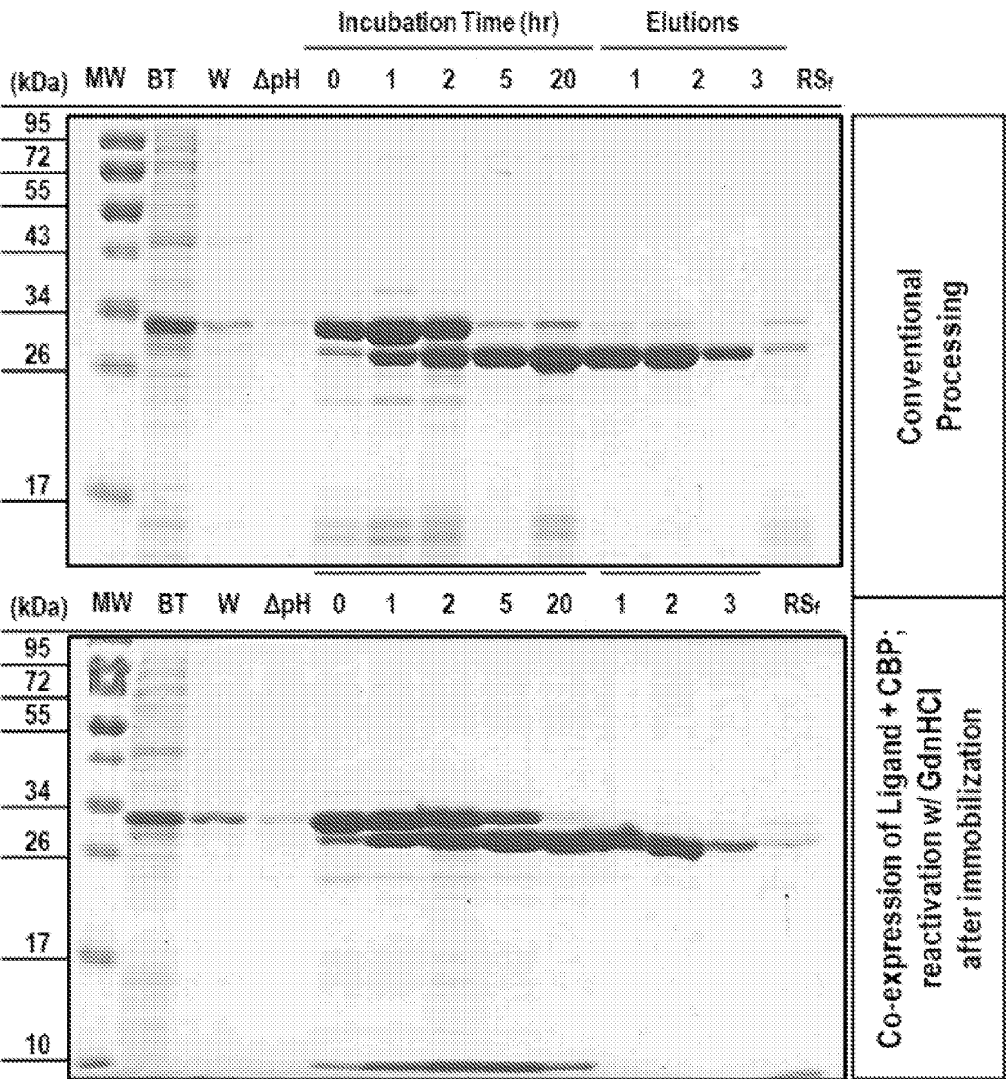


FIGURE 5

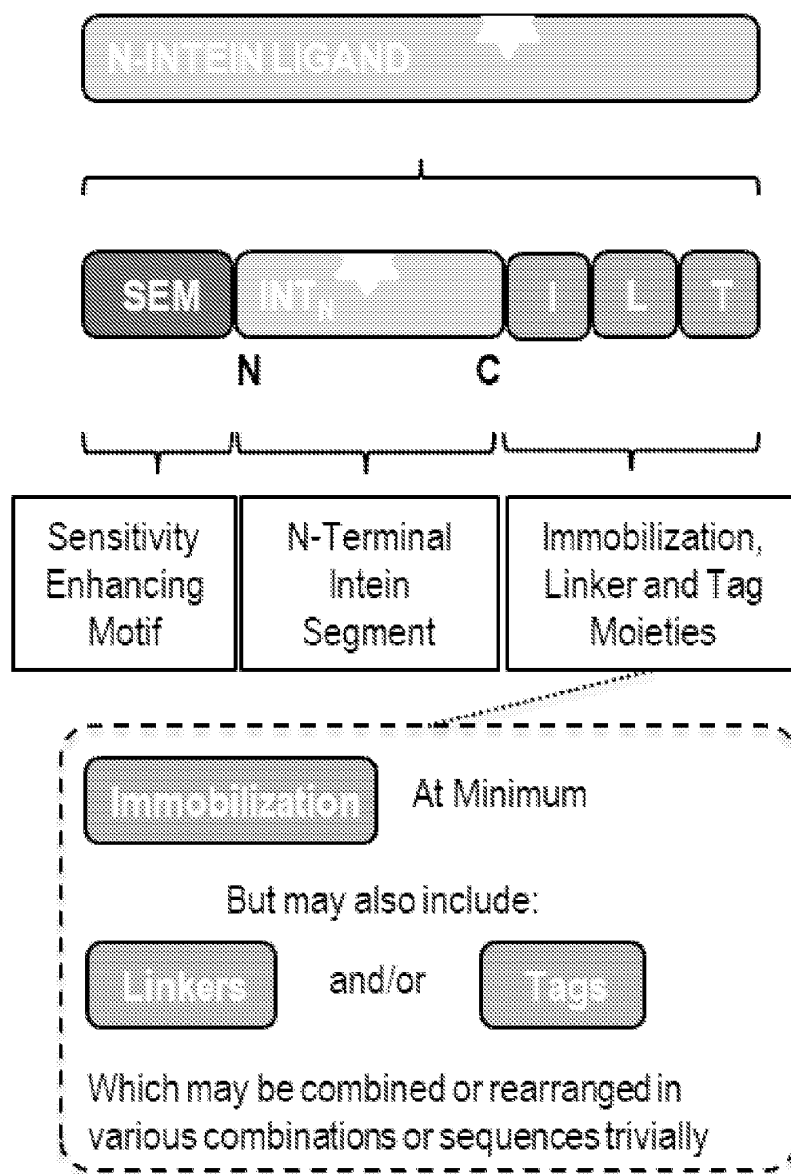


FIG. 6A

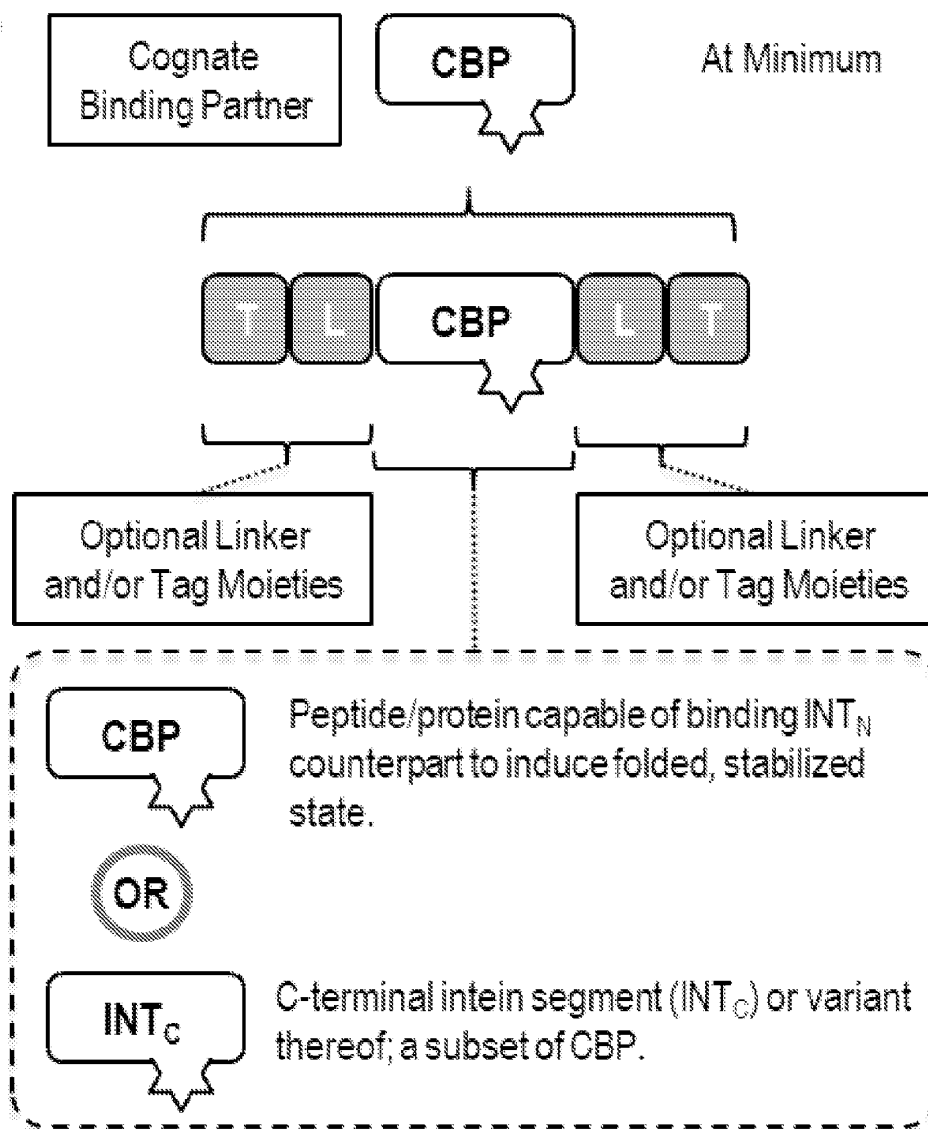


FIG. 6B

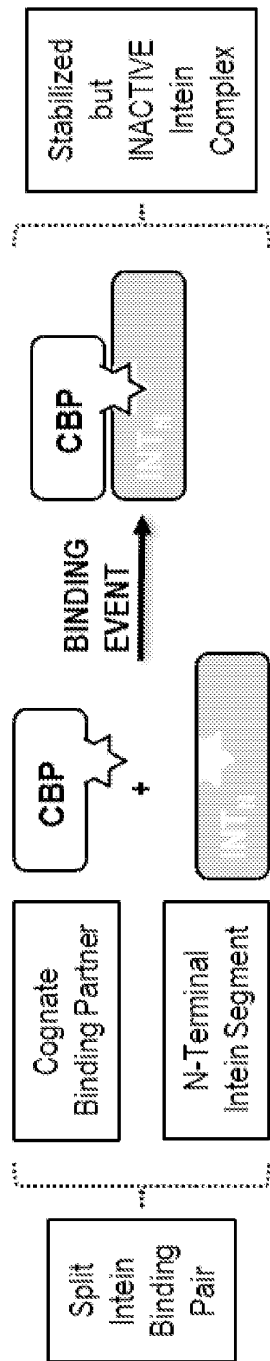


FIG. 6C

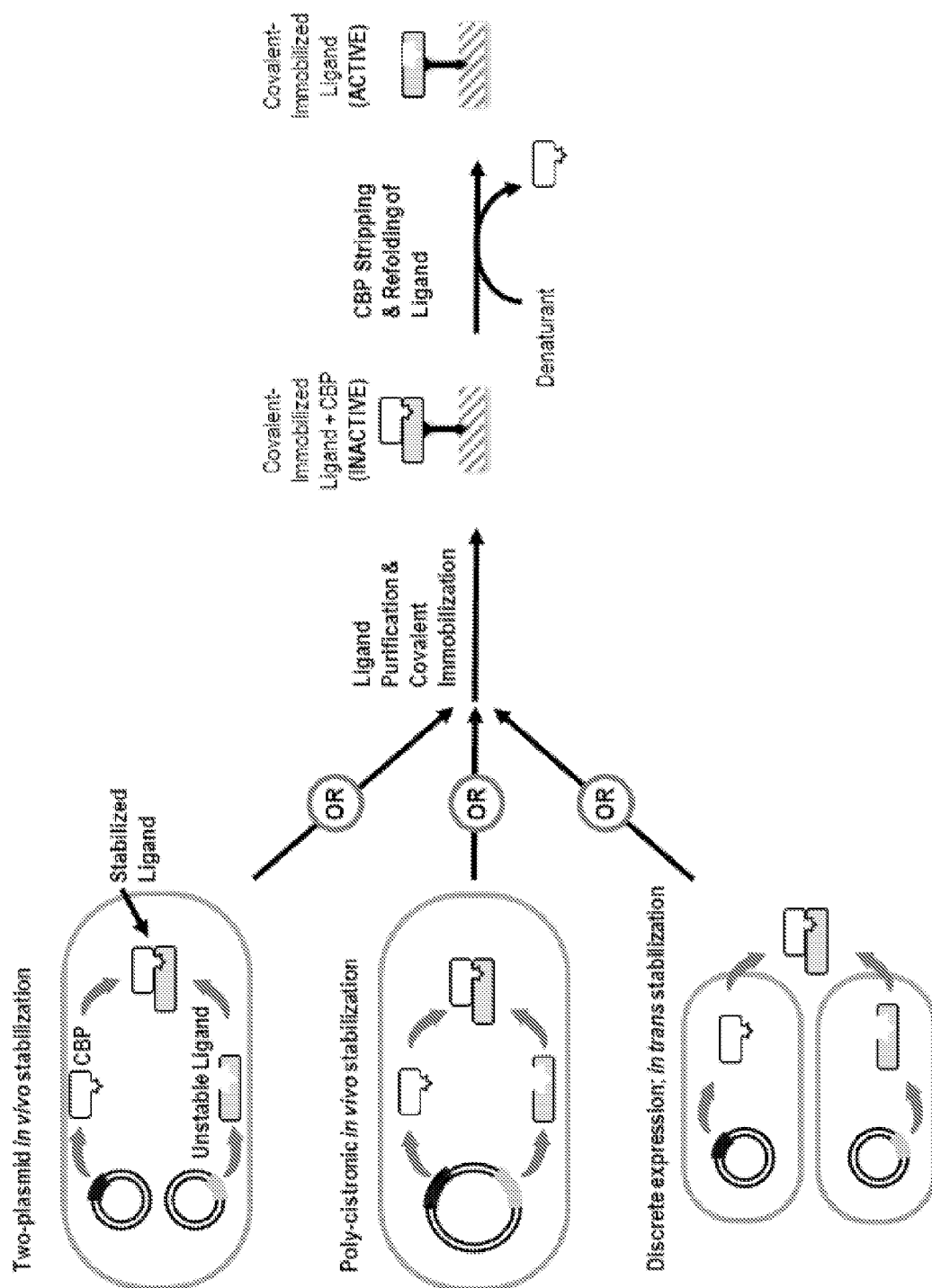


FIGURE 7

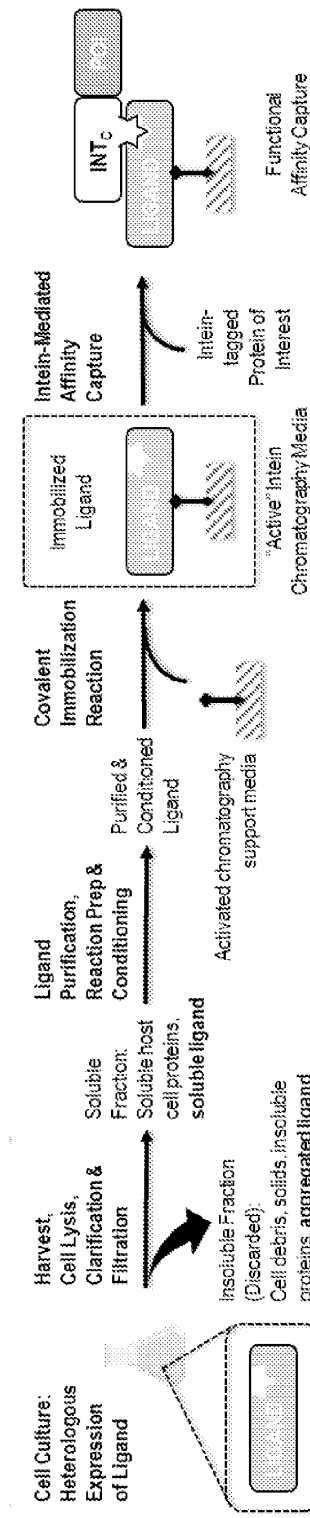


FIG. 8A

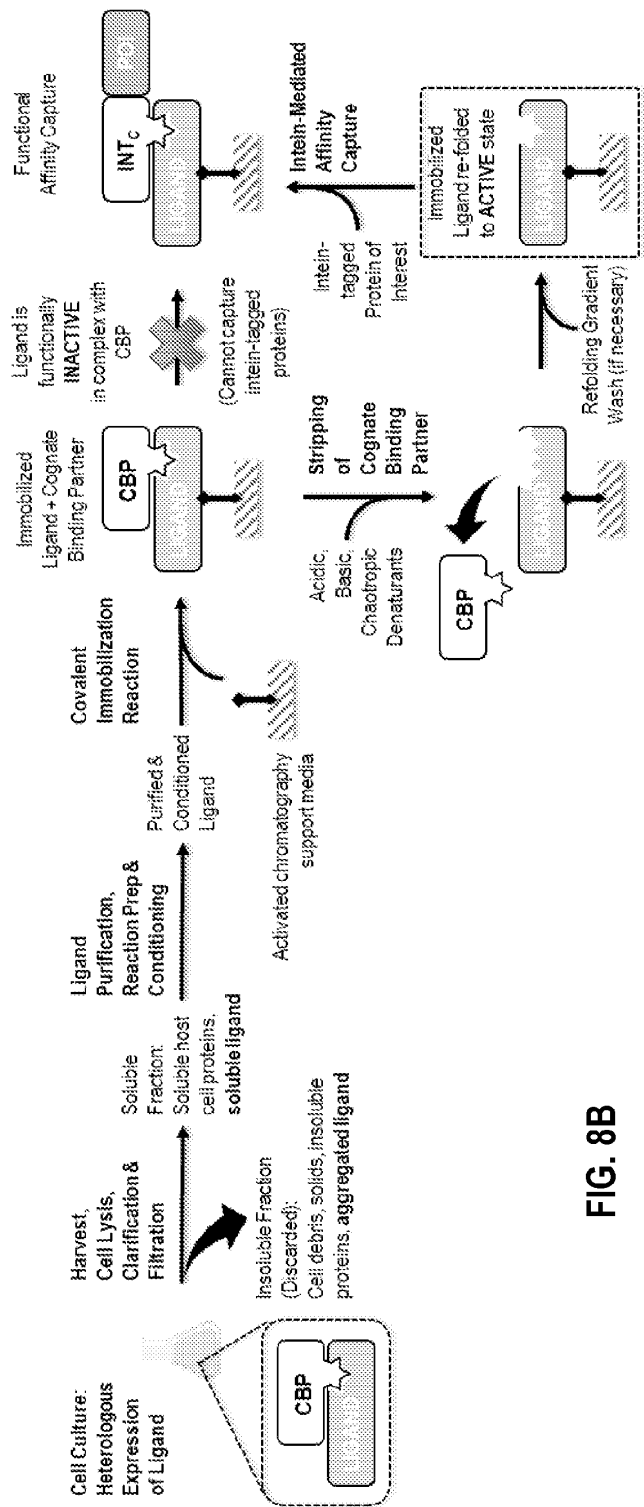


FIG. 8B

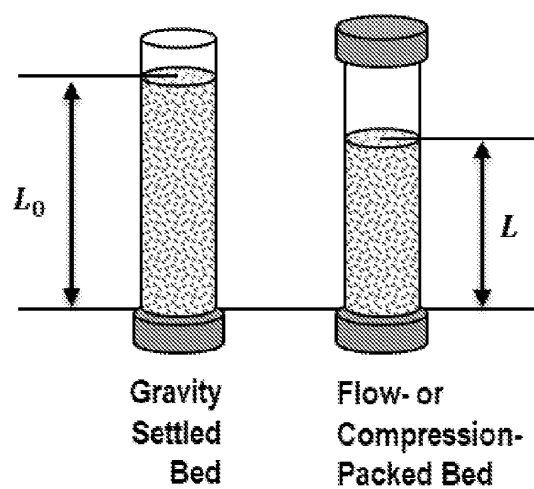


FIG. 9A

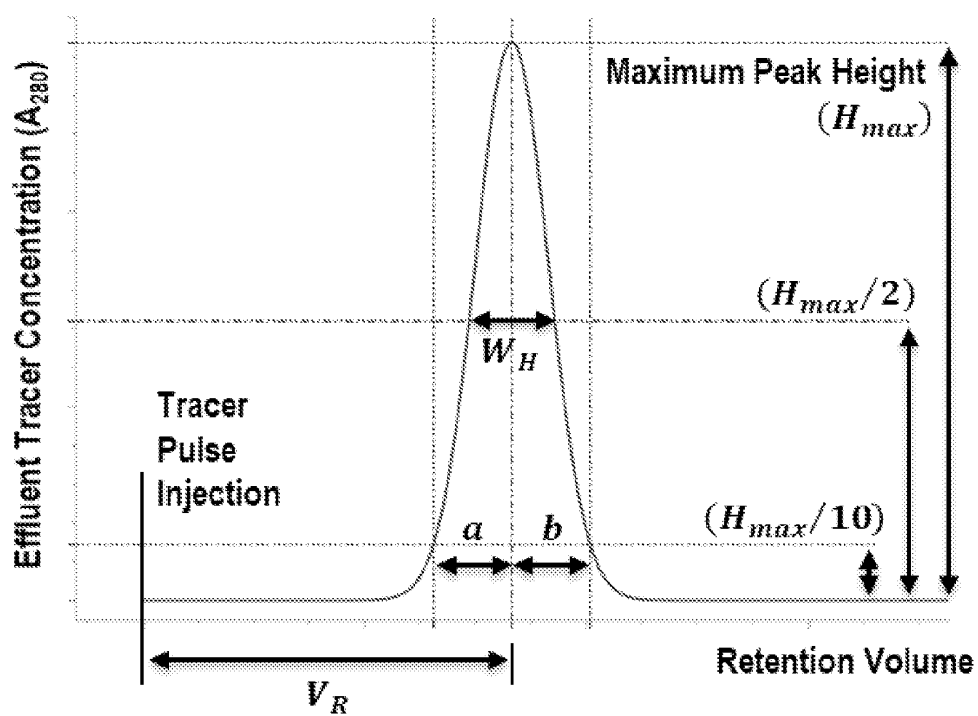


FIG. 9B

<i>Bed Height (gravity settled)</i>	L_0
<i>Packed Bed Height (compressed)</i>	L
<i>Compression Factor</i>	C_f
<i>Asymmetry Factor</i>	A_s
<i>Reduced Plate Height</i>	h
<i>Retention Volume at Maximum Peak Height</i>	V_R
<i>Peak Width at Half Peak Height</i>	W_H
<i>Number of Theoretical Plates</i>	N
<i>Height Equivalent to a Theoretical Plate</i>	$HETP$
<i>Particle Diameter</i>	d_p

FIG. 9C

<u>Compression Factor</u>	
$C_f = \frac{L_0}{L}$	
<u>Asymmetry Factor</u>	
$A_s = \frac{b}{a}$	
<u>Reduced Plate Height</u>	
$N \approx 5.54 \cdot \left(\frac{V_R}{W_H} \right)^2$	$\left. \begin{array}{l} \\ \\ \end{array} \right\} \Rightarrow h \approx \frac{L}{d_p} \cdot \frac{1}{5.54} \left(\frac{W_H}{V_R} \right)^2$
$HETP = \frac{L}{N}$	
$h = \frac{HETP}{d_p}$	

FIG. 9D

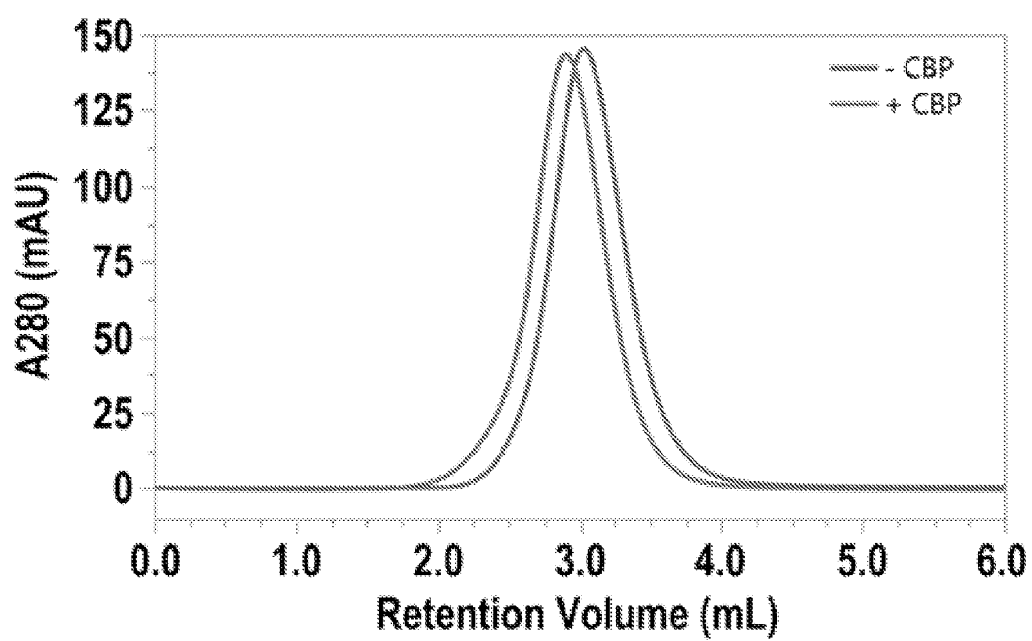


FIG. 10A

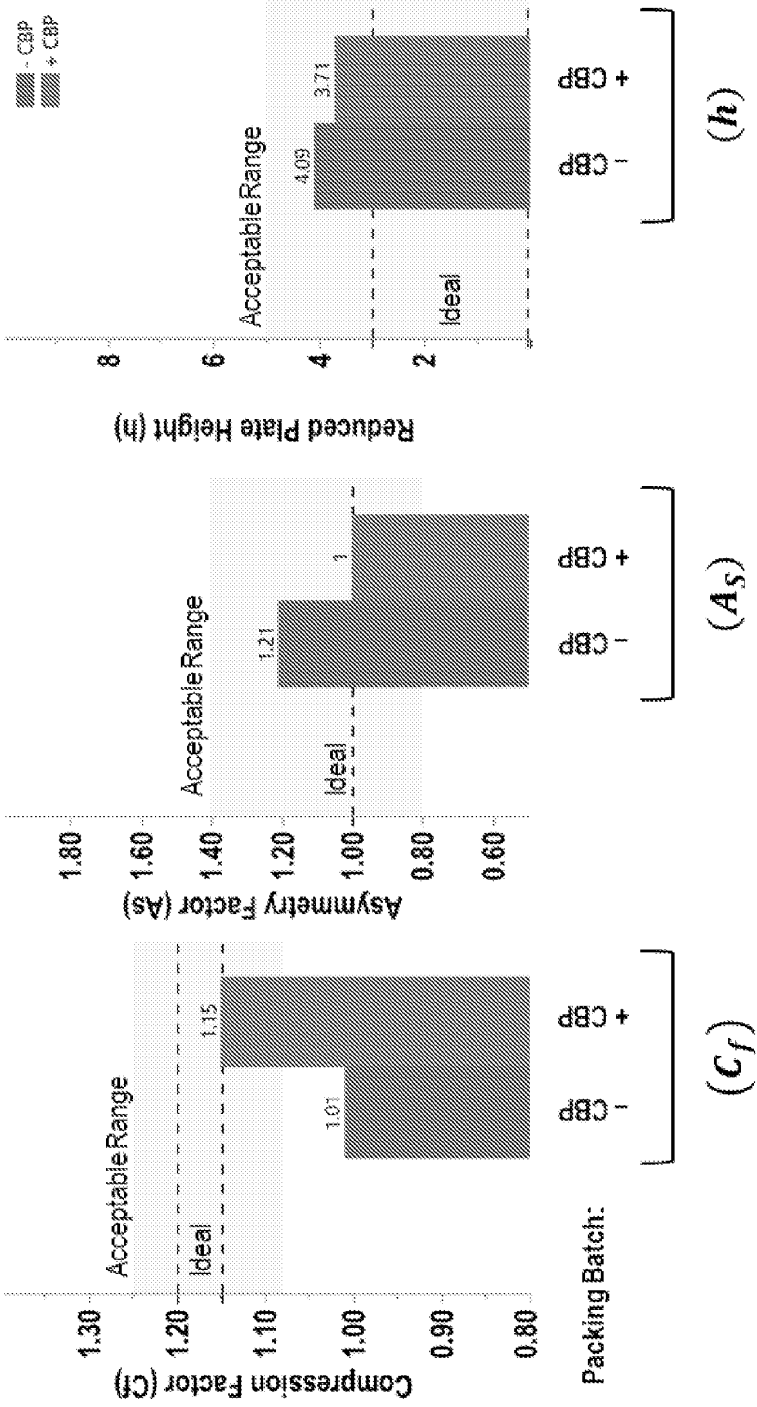


FIG. 10B