

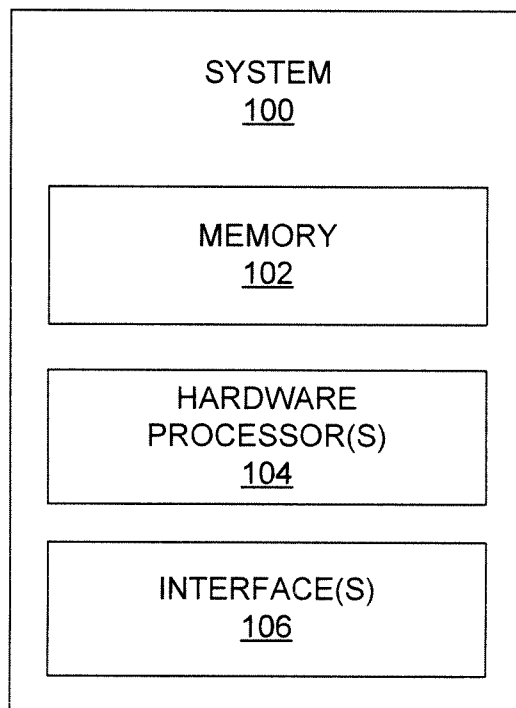


FIG. 1

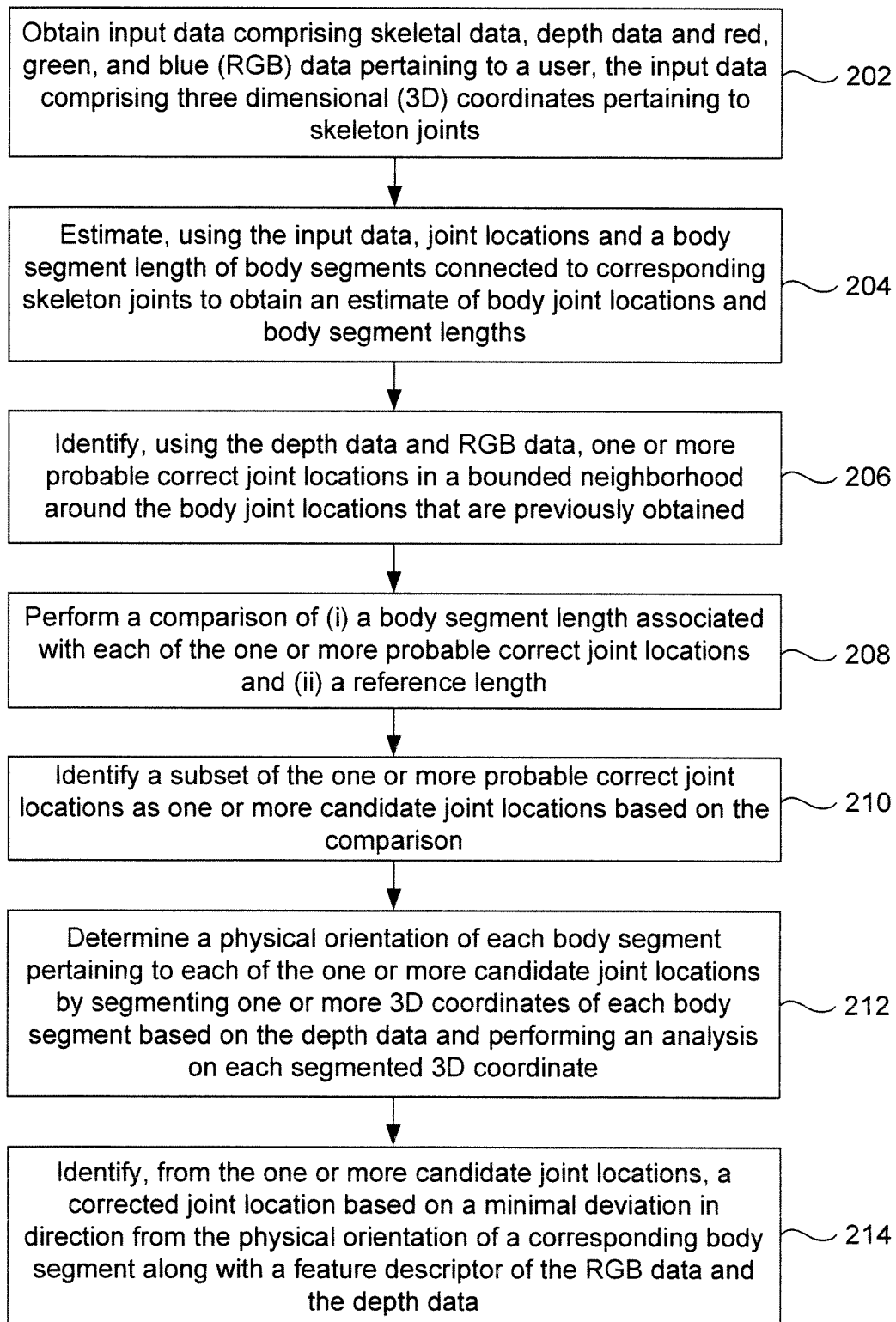
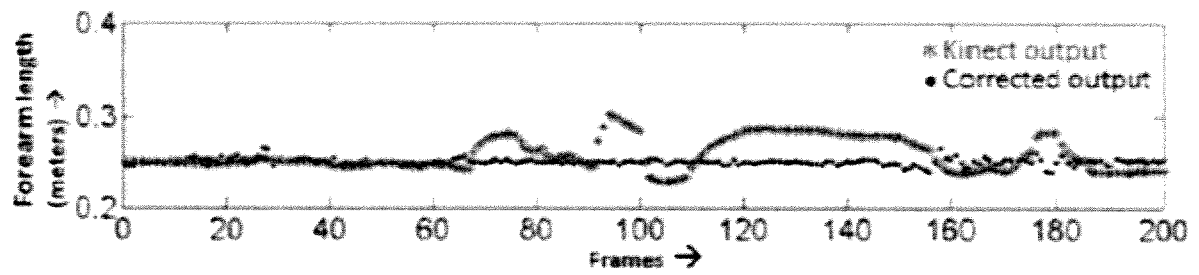


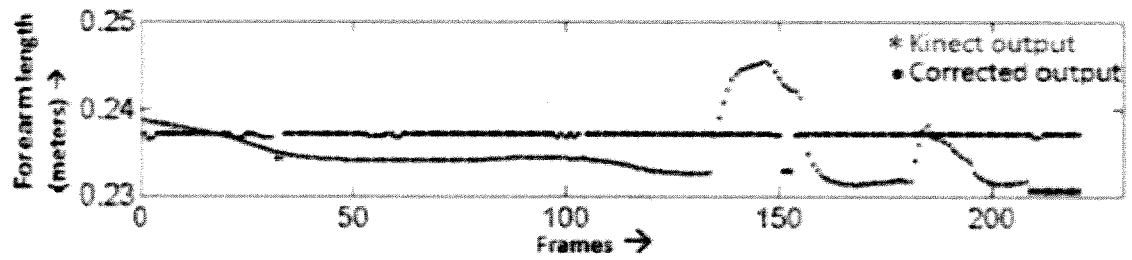
FIG. 2

ROM exercise	Length over time		Mean (meter)	Standard Deviation (meter)	Range (max-min) (meter)	Coefficient of variation	% Improvement
Shoulder	Arm	Kinect	0.2713	0.0197	0.0806	0.0724	73.8
		Corrected	0.2676	0.0051	0.032	0.0189	
Abduction-Adduction	Forearm	Kinect	0.2488	0.0223	0.0862	0.0897	74.3
		Corrected	0.2319	0.0053	0.039	0.023	
Shoulder	Arm	Kinect	0.2707	0.0171	0.0757	0.0632	72.9
		Corrected	0.269	0.0046	0.0309	0.0171	
Flexion-Extension	Forearm	Kinect	0.2524	0.02176	0.0876	0.0863	80.7
		Corrected	0.3261	0.0054	0.033	0.0166	
Elbow	Arm	Kinect	0.2435	0.0189	0.0544	0.0777	71.6
		Corrected	0.2528	0.0056	0.0219	0.022	
Flexion-Extension	Forearm	Kinect	0.2354	0.0143	0.0792	0.0545	58.7
		Corrected	0.2289	0.00516	0.0333	0.02254	

FIG. 3

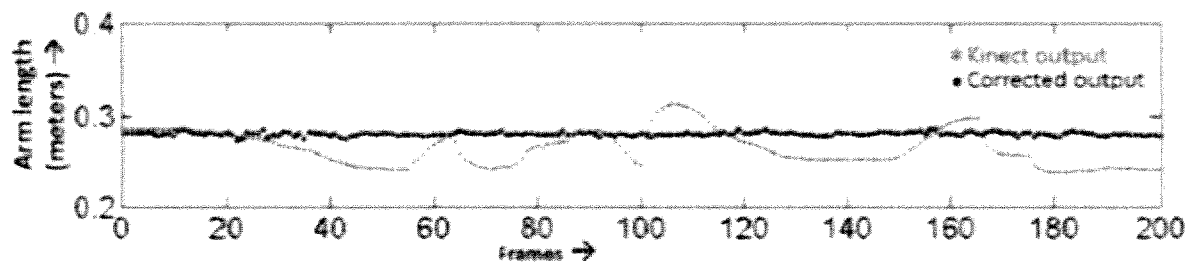


(a) Forearm length for shoulder abduction

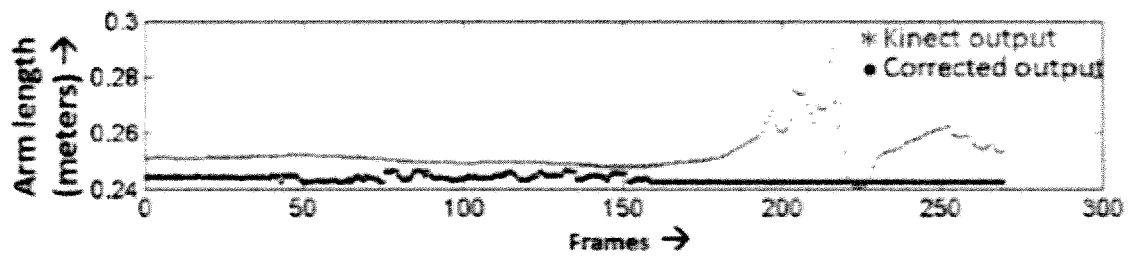


(b) Forearm length for static posture

FIG. 4



(a) Arm length for shoulder abduction



(b) Arm length for static posture

FIG. 5

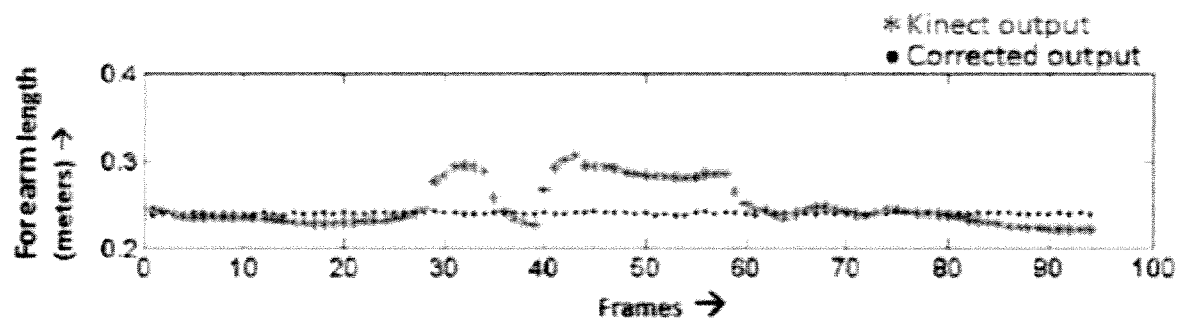
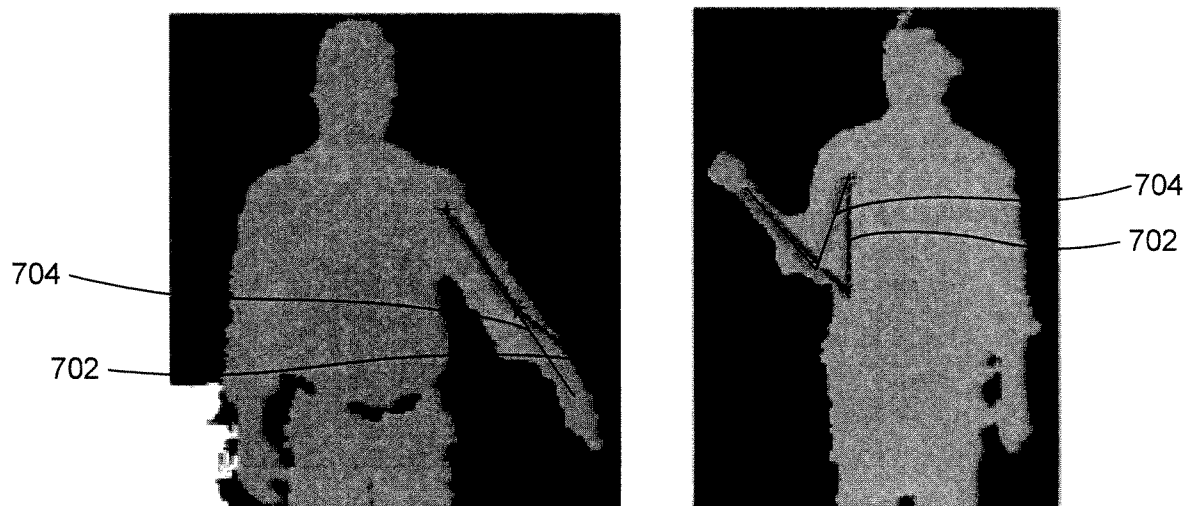


FIG. 6



(a) for shoulder abduction (b) for elbow flexion

FIG. 7