

Fig. 9(a)

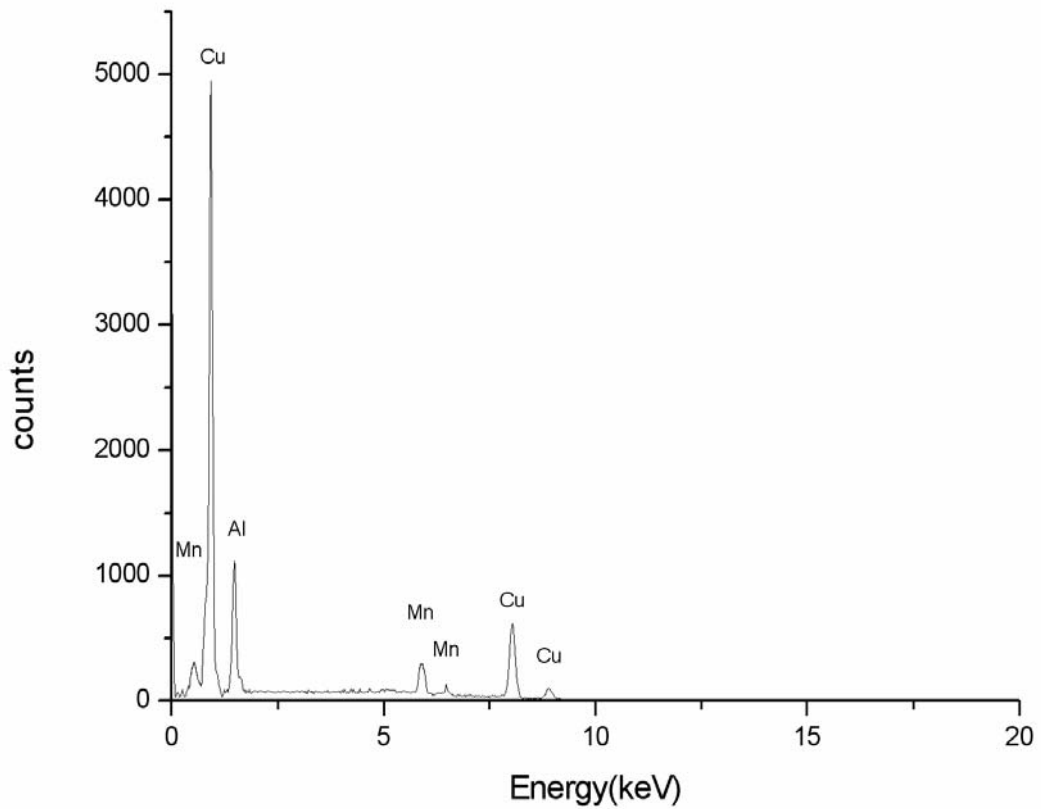


Fig. 9(b)

Figure 9. Two typical EDS spectra taken from the region in (a) γ_2 and (b) L-J phases of the present alloy aged at 450°C for 16 hours.

Table 1. Chemical compositions of the phases revealed by Energy – Dispersive Spectrometer (EDS).

Heat Treatment	Phase	Chemical Composition (at. pct.)		
		Cu	Al	Mn
As-Quenched	D0 ₃ + L-J	69.86	24.98	5.16
450°C Aging 16 Hours	γ - brass	69.88	28.36	1.76
	L-J	70.07	21.62	8.31
650°C Aging 2 Hours	γ - brass	69.5	28.43	2.07
	L-J	68.69	24.43	6.88