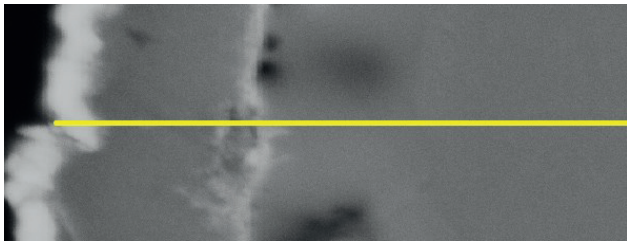
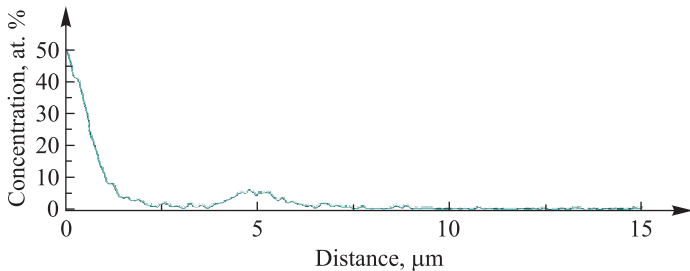


*a**b*

*Fig. 3.* Cross-section morphology (*a*) and the distribution of titanium (*b*) along the depth of the (Ti, Cu)N/Al – 12 at. % Si alloy sample