Pictures to: IBM T.J. Watson Research Center

Pictures in "Minor" Publications

Below are some auxiliary pictures concerning the Si . siicide interfaces.

Some of these pictures are simply unpublished but interesting, some other were used in what I called <u>"minor"</u> <u>publications</u>



Fig. 3 in "minor" publication <u>No. 36</u> Micrograph and diffraction pattern of Pt₆₇Si₃₃ after annealing at 200, 350, and 550 °C for 30 min. (a), (b), (c), respectively





Auxiliary Pictures

Below are some auxiliary pictures concerning Si - siicide interfaces.







Auxiliary picture to Fig. 38 in "lost" book We see NiSi at the top and probably Ni₂Si at the bottom



Auxiliary picture to "lost book" Fig. 37 and Ni BNi silicide paper Fig. 12. The full size picture of the epitaxial interface with a large misfit and an unbelievable density of misfit dislocations. Another "first" of its kind



Auxiliary picture to "Silicid Interface" Fig. 8 Shown is epitaxial but twinned NiSi₂on a Si substrate.



Auxiliary picture to "Lost book" Fig. 35 Same as above but no twinning in this case.



Auxiliary picture to "Lost book" Fig. 36 Three dark lines=rthree interfaces=cutting throug 2 h facteson the way down





Auxiliary picture to Ni silicide Fig. 15. The NiSi2 is mostly twinned, there are a few small islands with a direct epitaxial relation. The change in background contrast must be due to small tilt angles at different faces.



Auxiliary Fig. to the "oxide" paper.

Comparing the formational PtSi on skightly oxidized and clean Si substrates



Auxiliary picture to Fig. 15 in the Ni silicide paper. Shows the twinned (dark) and untwinned patches.

X - TEM Specimen



Auxiliary Fig. to Fig. 3 in the the "lost book". An actual XTEM specimen. In the middle we have essentially an epoxy bridge with tiny pieces of Si / silicide still adhereng. That might be enough for HRTEM.#

4 more places might provide thin enough areas

