## Long-range order instead of phase separation in large lattice-mismatch isovalent A -B systems

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## I. INTRODUCTION

## II. STRAIN RELEASE THROUGH COORDINATION NUMBER DISPROPORTIONATION

Fig. 1.  $\Delta H$   $\Delta H$ 

$$\Delta H = \Delta E_{\rm D} + \Delta E_{\rm A} + \Delta E_{\rm A} \tag{1}$$

$$\Delta E_{\mathrm{D}} = \left[ x E_{AX}(\overline{V}) + (1_{\bullet} x) E_{BX}(\overline{V}) \right]$$

$$\bullet \left[ x E_{AX}(V_{AX}) + (1_{\bullet} x) E_{BX}(V_{BX}) \right]$$

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<sup>&</sup>lt;sup>1</sup>A. C. ... A. ... Semiconductor Alloys: Physics and Materials Engineering (Microdevices), 13 4. ( 12 ) , 1995).