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

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## **I. INTRODUCTION**

 $A_{\mathbf{x}}$  i homogeneous  $A_{\mathbf{x}}B_{\mathbf{1},\mathbf{x}}X$  if  $\mathbf{s}$  ...  $\mathbf{s}$  is AX = BX = Sا هم هم را به مرا دای د. ما هم هم را به مرا دان د. ما به مهم هم هم مرا مهم هم مرا م 1 sir is. s)<sup>11</sup> . 1 is . sis . is 1. 1 4 s interest of the second secon 

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## **II. STRAIN RELEASE THROUGH COORDINATION** NUMBER DISPROPORTIONATION

 $\Delta s$  s s  $\Delta H$   $\ldots$  s  $\otimes$   $\Delta H$   $\ldots$   $\Delta H$   $\ldots$  $F_{1.1} = \frac{1}{100} + \frac{1}{1$  $\frac{1}{3} = \frac{1}{3} = \frac{1}$ - 1. S. I at s , at iat a fat

 $\begin{bmatrix} \mathbf{I} & \mathbf{I} \\ \mathbf{I} & \mathbf{I} \\ \mathbf{I} & \mathbf{I} \\ \mathbf{I} & \mathbf{I} \\ \mathbf{I}$ 

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

(AX , BX) , (AX , AX )



- <sup>1</sup>A. C. : A. A. Semiconductor Alloys: Physics and Mate-1995).
- <sup>2</sup>.B. , <sup>J</sup>.C. s. , **27**, 21 (1974).