↓ S CA → B 84, 125315 (2011)

## Localized in erface tarce = tarce =

		_	<sup>1,2,*</sup> A	3,†			
$^{1}P$	D a a	KEMRSEC, C	a S	М, G	, C a 80	401, USA	
	$^{2}Na$ a R	a E	La a , G	, C a	80401, USA		
	$^{3}U$	С	a , B , C	a 80302,	USA		
(	13 A 2011;	<sup>16</sup> s	2011;		<sup>22</sup> s	2011)	
		5			5		
	,	,	,	,		,	
	•					,	
	V						

417252()- (15456.5 0004172.-.5())-735.4(- - ()-.5(4())-0496.(B)) s)-3-0494-456.5())-5607 4172486



CA **B 84**, 125315 (2011)



v <sup>–</sup> C	SC A	A 🔭	, <b>6</b> - 5-	
()			(n m)	

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( )		( <i>n,m</i> )		()	
n+m	;		п	m	
$,X_{z}$	,			•	n+m



K CA T B 84, 125315 (2011)

C. La<sub>t</sub> ice relaxa ion by t rain minimiza ion





A. Model of interface t a e in a ingle heterojunction



B. Appearance of a ingle in erface  ${}_t$  a e a  ${}_t$  he InP/GaP junc ion





V C S A A  $e_s()$  $f_{\bullet}$  $e_s()$  n = 7 . T n S' . , , . 5( ). - (**T**B) , **T** ( 0.75 <sub>V</sub>) , . **T** ТВ n=1 , *n* = 10 . C  $e_s()$  $n \geqslant 8$  . , - ,  $n \leqslant 7$ n  $\vec{k} = (0,0,k_z)$  (S ) : **-** . (7)

₽ S CA ₽ B 84, 125315 (2011)

, n , 2 n. , 1 n , e\_s(

CA T FT ACT TAFT	ᢗᢤ᠊ᢩᡰᠮ᠋ᠴ᠆ᠴ᠋᠋᠋ᠮ᠁	S CA T B 84, 125315 (2011)
TAB -	_	$\mathbf{\hat{s}} \mathbf{A}$ , , $\mathbf{\hat{s}}$ . $()^3$ ,
; (A2) (A3). A	- 5	. A
<b>-----</b> (4).	;	$, 5.1346 - 09 \qquad 5.1346 \times 10^{-9}.$

а

b

С

 $a_{SO}$