

R-frame-compat-disjoint-names^{11,40}

$\forall A, B: \text{Realizer}.$
 $(\neg(\uparrow \text{Rplus?}(A)))$
 $\Rightarrow (\neg(\uparrow \text{Rplus?}(B)))$
 $\Rightarrow (\neg(\uparrow \text{Rnone?}(A)))$
 $\Rightarrow (\neg(\uparrow \text{Rnone?}(B)))$
 $\Rightarrow (\forall x: \text{MaName}. \neg((x \in \text{R-names}(A)) \ \& \ (x \in \text{R-names}(B))))$
 $\Rightarrow (\text{R-loc}(A) = \text{R-loc}(B) \in \text{Id})$
 $\Rightarrow \text{R-frame-compat}(A; B)$