

sender-glues-triggers2^{11,40}

$\forall es:ES, A:Type, l:IdLnk, tg:Id, ds:x:Id \text{ fp} \rightarrow Type,$
 $conds:k:Knd \text{ fp} \rightarrow V:Type \times (State(ds) \rightarrow V \rightarrow (A + Top)).$
 $(\forall k:Knd. (\uparrow k \in \text{dom}(conds)) \Rightarrow (\uparrow \text{hasloc}(k; \text{source}(l))))$
 $\Rightarrow (\forall e:E. (\text{kind}(e) = \text{rcv}(l, tg) \in Knd) \Rightarrow (\text{valtype}(e) \subseteq_r A))$
 $\Rightarrow (\forall p: (\forall e:E.$
 $\quad \text{Dec}((\uparrow \text{isrcv}(e))$
 $\quad \& \text{lnk}(e) = l$
 $\quad \& \text{loc}(\text{sender}(e)) = \text{source}(l) \in Id$
 $\quad \& (\uparrow \text{kind}(\text{sender}(e)) \in \text{dom}(conds))))).$
 $(\forall k:Knd.$
 $(\uparrow k \in \text{dom}(conds))$
 $\Rightarrow k(v:conds(k).1) \text{ sends on } l [tg:A, \lambda p. \text{let } s, v = p$
 $\quad \text{in}$
 $\quad (conds(k).2)(s, v) \langle \text{state}, v \rangle]?[])$
 $\Rightarrow \text{glues}(es;$
 $\quad A;$
 $\quad (\lambda e. \text{sender}(e));$
 $\quad (\lambda e. \text{outl}((conds(\text{kind}(e)).2)((\text{state when } e), \text{val}(e)))));$
 $\quad \text{es-triggers}(es; \text{source}(l); ds; conds);$
 $\quad (\text{es-in-port}(es; l; tg) | p))$