

**mk-ma\_wf**<sup>0,22</sup>

$\forall ds:x:\text{Id fp} \rightarrow \text{Type}, da:a:\text{Knd fp} \rightarrow \text{Type}, \text{init}:x:\text{Id fp} \rightarrow ds(x)?\text{Void},$   
 $pre:a:\text{Id fp} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;\text{locl}(a)) \rightarrow \text{Prop},$   
 $ef:kx:\text{Knd} \times \text{Id fp} \rightarrow \text{State}(ds) \rightarrow \text{Valtype}(da;\text{1of}(kx)) \rightarrow ds(\text{2of}(kx))? \text{Void},$   
 $send:kl:\text{Knd} \times \text{IdLnk fp} \rightarrow$   
 $(tg:\text{Id} \times (\text{State}(ds) \rightarrow \text{Valtype}(da;\text{1of}(kl)) \rightarrow (da(\text{rcv}(\text{2of}(kl),tg))?\text{Void List}))) \text{ List},$   
 $frame:x:\text{Id fp} \rightarrow \text{Knd List}, sframe:ltg:\text{IdLnk} \times \text{Id fp} \rightarrow \text{Knd List}, aframe:k:\text{Knd fp} \rightarrow \text{Id List},$   
 $bframe:k:\text{Knd fp} \rightarrow \text{IdLnk List}, rframe:x:\text{Id fp} \rightarrow \text{Knd List}.$

mk-ma(ds;

da;

init;

pre;

ef;

send;

frame;

sframe;

afame;

bframe;

rframe)

∈ MsgA