ecl-effect-compatible[11,40]

$\forall i$:Id, ds:fpf(Id; x.Type), da:fpf(Knd; k.Type), A:ecl(ds; da), snd:msg-spec(ds; da),
upd:update-spec(ds; da).
update-spec-decl(upd; ds)
$\Rightarrow$ msg-spec-loc-decl(snd; i; da)
$\Rightarrow$ ($\neg$($\uparrow$fpf-dom(id-deq; mkid{ecl:ut2}; ds)))
$\Rightarrow$ R-Feasible{i:l}
(ecl-machine{ecl:ut2}(i; ds; da; A; snd; upd))
$\Rightarrow$ ($\forall k$:Knd, ds_2:fpf(Id; x.Type), T:Type, x:Id,
f:((decl-state(ds_2)$\rightarrow T\rightarrow$decl-type{i:l}
(ds_2; x)) + (decl-state(ds_2)$\rightarrow T\rightarrow$rationals$\rightarrow$
decl-type{i:l}
(ds_2; x))).
($\neg$($\uparrow$fpf-dom(id-deq; mkid{ecl:ut2}; ds_2)))
$\Rightarrow$ ($\neg$($\uparrow$eq_id(mkid{ecl:ut2}; x)))
$\Rightarrow$ fpf-compatible(Id; x.Type; id-deq; ds; ds_2)
$\Rightarrow$ fpf-compatible(Knd; k.Type; Kind-deq; da; fpf-single(k; T))
$\Rightarrow$ (($k \in$ ecl-kinds(A)) $\Rightarrow$ ((ma-valtype(da; k) = T) $\wedge$ ($\uparrow$fpf-dom(Kind-deq; k; da))))
$\Rightarrow$ ($\neg$($x \in$ update-spec-vars(upd)))
$\Rightarrow$ R-compat{i:l}
(ecl-machine{ecl:ut2}(i; ds; da; A; snd; upd); Reffect(i; ds_2; k; T; x; f)))

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http://www.nuprl.org/FDLcontent/p0_963683_/p117_102419_{ecl-effect-compatible}.html