es-is-interface-filter[11,40]

$\forall es$:ES, A:Type, X:AbsInterface(A), P:($A \rightarrow \mathbb{B}$), e:E.
$(\uparrow(e \in_b X|a.P(a))) \iff \{(\uparrow(e \in_b X)) \ \& \ (\uparrow P(X(e)))\}$

http://www.nuprl.org/FDLcontent/p0_963683_/p39_916070_{es-is-interface-filter}.html