```
theory Wearable
begin
builtins: asymmetric-encryption, signing
Protocol: An IoT-based micropayment protocol for wearable devices with formal
verification
Modeler:
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Date:
          Working
Status:
*/
rule WD 1:
[Fr(~kw)
, !Pkw($C, pkw)
-->
[ WD_1( $C, ~kw)
, Out( aenc(~k, pkC) )
rule Cust 1:
[ WD 1(C, kw)
, In( h(kw) )
--[ SessKeyC( C, kw) ]->
П
rule Cust 1:
[Fr(~Kcib)
, !Pk($IB, pkIB)
-->
[ Cust_1( $IB, ~Kcib )
, Out( aenc(~Kcib, pkIB) )
rule Mer_1:
[Fr(~Kmab)
, !Pk($AB, pkAB)
-->
[ Mer_1( $AB, ~Kmab)
, Out( aenc(~Kmab, pkAB) )
rule Cust 2:
[ Cust_1(IB, Kcib)
, In(h(Kcib))
```