

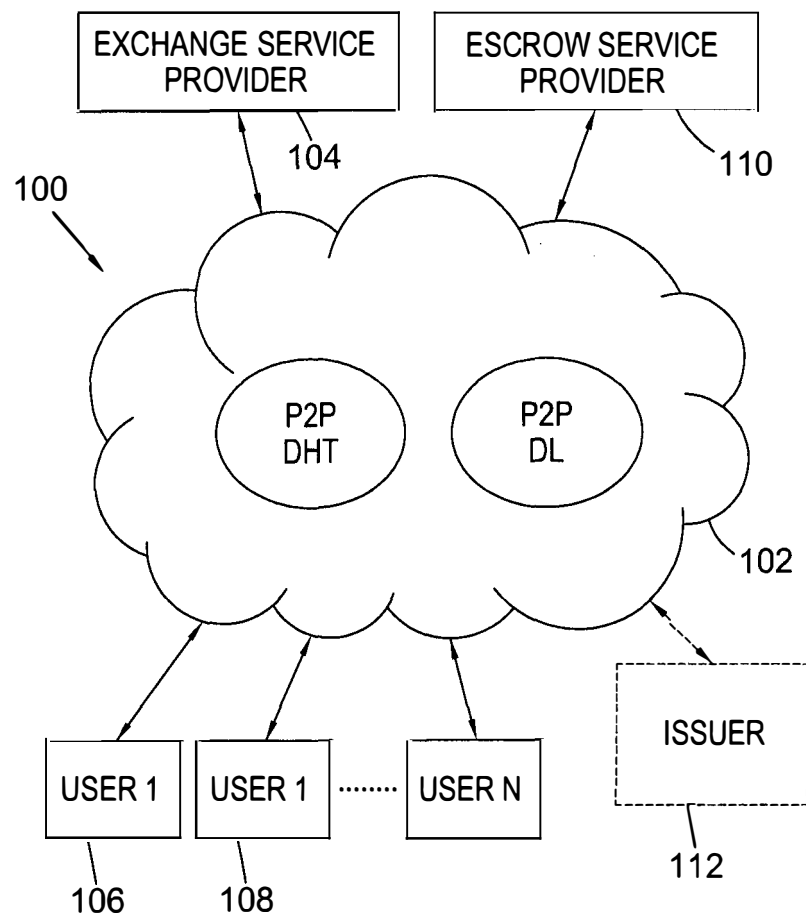


Fig. 1

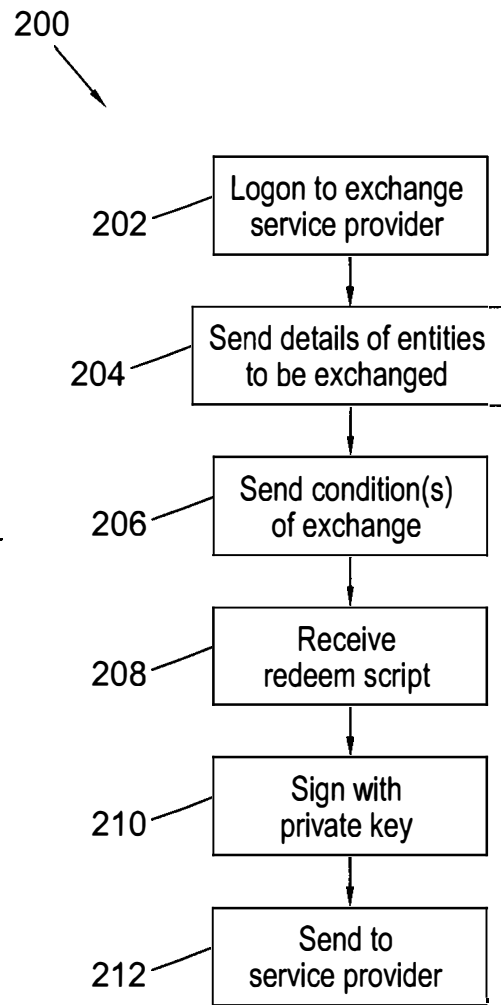


Fig. 2

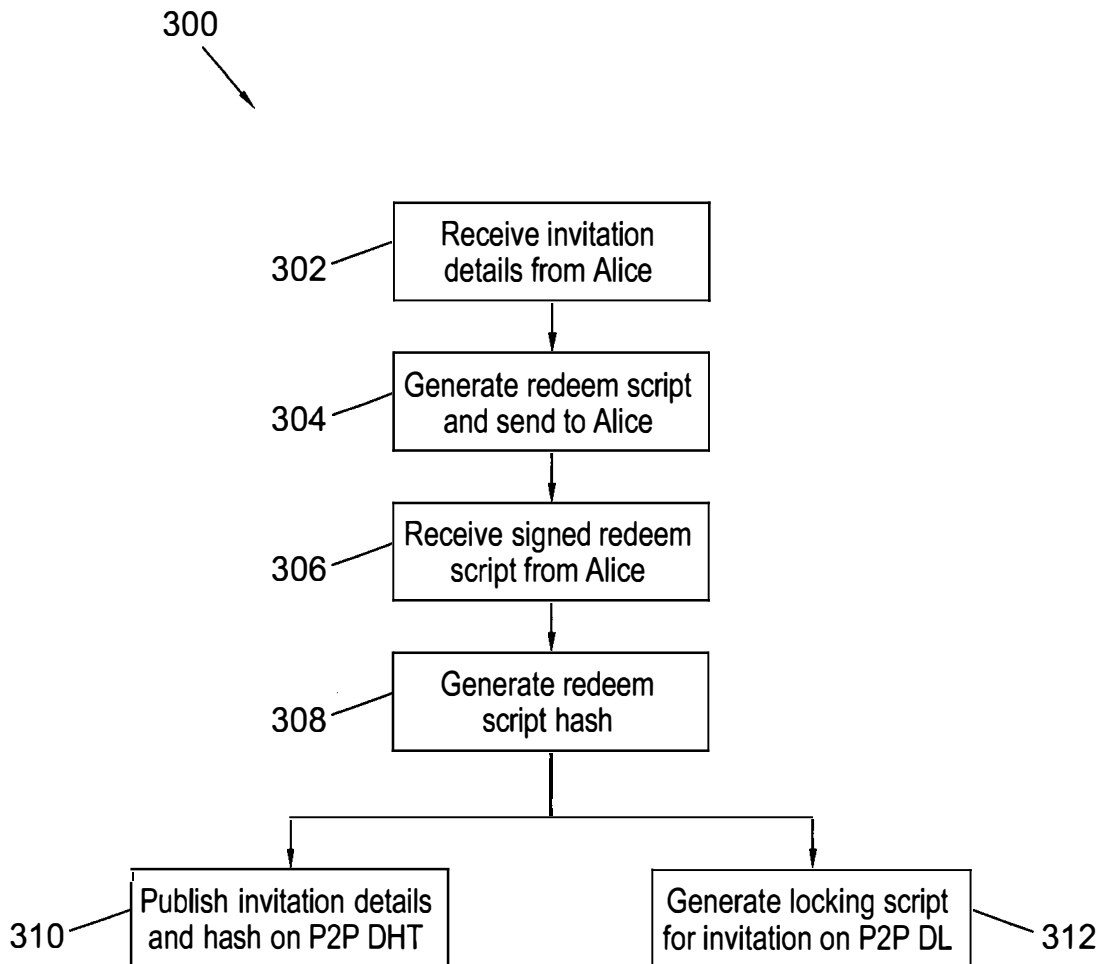


Fig. 3

ALICE

Offer:	BTC
Request:	Token
Offer-type-code	0000 ₂
Offer-QTY-max	NULL
Offer-QTY-min	NULL
Offer-item-ID	
Rate-min	4.00000000 x 10 ⁻⁵ shares/satoshi
Rate-max	NULL (no maximum - i.e. infinity)
Request-type-code	0001 ₂
Request-item-ID	CAD1234
Request-QTY-max	10000 shares
Request-QTY-min	NULL (no minimum - i.e. 0)
Offer-Deadline	midnight 31-Dec-2016
Explanation of the order	I will buy tokenised CAD for BTC up to \$1000 at a rate of no less than \$400/BTC. Deadline is midnight 31-Dec-2016

Fig. 4

BOB

Offer:	TOKEN
Request:	BTC
Offer-type-code	0001 ₂
Offer-QTY-max	15000 shares
Offer-QTY-min	NULL (no minimum - i.e. 0)
Offer-item-ID	CAD1234
Rate-min	2.43902439 x 10 ² satoshis/share
Rate-max	NULL (no maximum)
Request-type-code	0000 ₂
Request-item-ID	
Request-QTY-max	NULL
Request-QTY-min	NULL
Offer-Deadline	NULL
Explanation of the order	I will sell tokenised CAD up to \$1500 at a rate of no more than \$410/BTC

Fig. 5

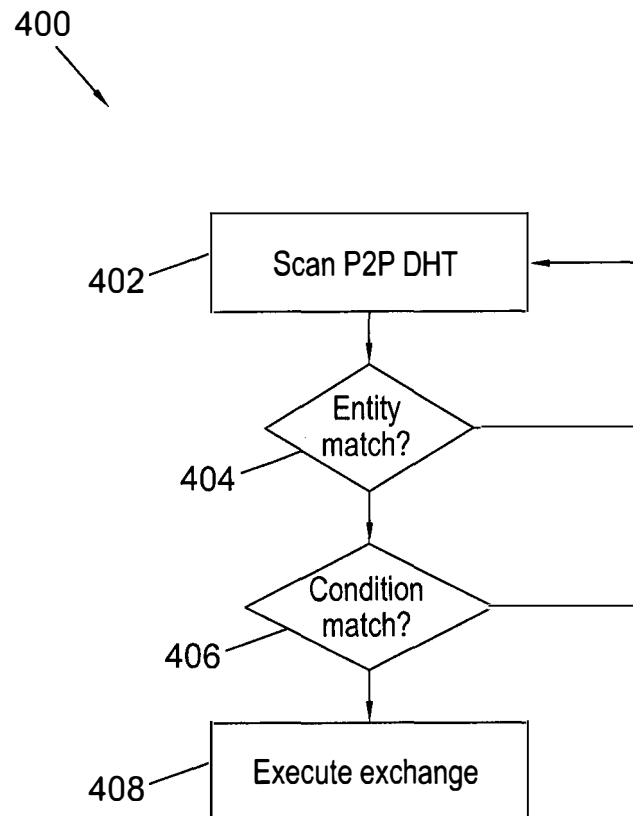


Fig. 6

Alice sends BTC to Bob	
ALICE00040	Tranccation-ID
Version number	Version number
1	Number of inputs
ALICE00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Alice Sig-Escrowa < OP_2 metadataA metadataB metadataC metadataD metadataE PubK-Alice PubK-Escrowa OP_7 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
3	Number of outputs
246,913,580 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Bob hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
2,469,136 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
3,116,284 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Alice hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime
Bob sends token to Alice	
BOB00030	Tranccation-ID
Version number	Version number
2	Number of inputs
BOB00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Bob Sig-Issuer < 2 metadata1 metadata2 PubK-Bob PubK-Issuer 4 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
BOB00010	Prev Trans Output
IDX-01	Prev Trans Output index
Script length	Script length
Sig-Bob PubK-Bob	ScriptSig
Sequence number	Sequence number
4	Number of outputs
10,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
5,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
10,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
880,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Bob hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime

Fig. 7

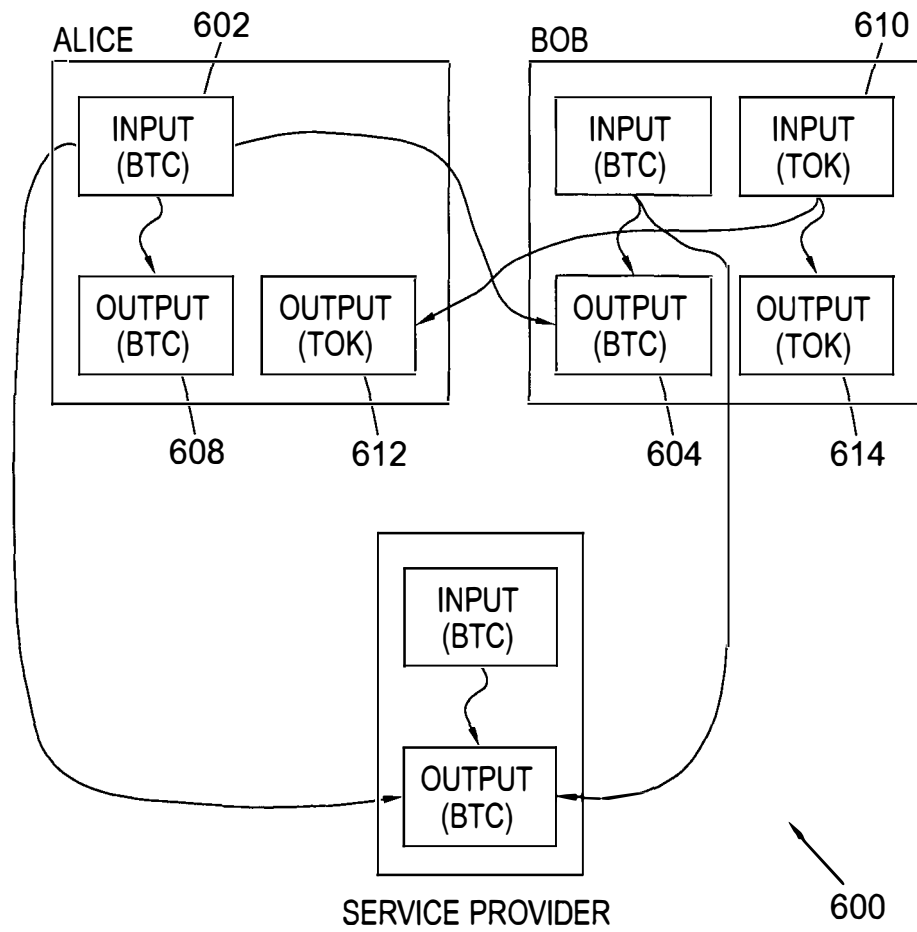


Fig. 8

Alice sends BTC to Bob	
Transaction-ID	Transaction-ID
Version number	Version number
1	Number of inputs
ALICE00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Alice PubK-Alice	ScriptSig
Sequence number	Sequence number
3	Prev Trans Output
246,913,580 satoshi	Prev Trans Output index
Output script length	Script length
OP_DUP OP_HASH160 <redeem script hash> OP_EQUAL	ScriptSig
2,469,136 satoshi	Sequence number
Output script length	Number of outputs
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output value
50,616,284 satoshi	Output script length
Output script length	Output script
OP_DUP OP_HASH160 <PubK-Alice hash> OP_EQUALVERIFY OP_CHECKSIG	Output value
LockTime	Output script length
Bob sends token to Alice	
Transaction-ID	Transaction-ID
Version number	Version number
2	Number of inputs
BOB00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Bob Sig-Issuer < 2 metadata1 metadata2 PubK-Bob PubK-Issuer 4 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
BOB00010	Prev Trans Output
IDX-01	Prev Trans Output index
Script length	Script length
Sig-Bob PubK-Bob	ScriptSig
Sequence number	Sequence number
4	Number of outputs
10,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
5,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
10,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
880,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Bob hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime

Fig. 9

AB00010	Tranccaction-ID
Version number	Version number
3	Number of inputs
ALICE00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Alice PubK-Alice	ScriptSig
Sequence number	Sequence number
BOB00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Bob Sig-Issuer < 2 metadata1 metadata2 PubK-Bob PubK-Issuer 4 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
BOB00010	Prev Trans Output
IDX-01	Prev Trans Output index
Script length	Script length
Sig-Bob PubK-Bob	ScriptSig
Sequence number	Sequence number
7	Number of outputs
246,913,580 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Bob hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
2,469,136 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
50,616,284 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Alice hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
10,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
5,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
10,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
880,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Ali hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime

Fig. 10

Alice sends token to Carol	
ALI00010	Tranccaction-ID
Version number	Version number
2	Number of inputs
ALI00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Ali Sig-Issuer < 2 metadata1 metadata2 PubK-Ali PubK-Issuer 4 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
ALI00010	Prev Trans Output
IDX-01	Prev Trans Output index
Script length	Script length
Sig-Ali PubK-Ali	ScriptSig
Sequence number	Sequence number
4	Number of outputs
10,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash>OP_EQUAL	Output script
5,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash>OP_EQUAL	Output script
10,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
880,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Ali hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime

Alice pays Carol \$1000 in tokenised CAD (expecting her GBP from Bob at a rate of AUD\$2/GBP)

Alice pays herself the remainder of tokenised CAD (i.e. change) = \$1500-\$1000

Using regular (untokenised BTC) Alice pays the Service Provider's fee (say, flat rate = 10000 sat)

Using regular (untokenised BTC) Alice pays herself change from 900,000 leaving 1000 for miner

Fig. 11A

Bob sends token to Alice	
BOB00030	Transaction-ID
Version number	Version number
2	Number of inputs
BOB00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Bob Sig-Issuer < 2 metadata1 metadata2 PubK-Bob PubK-Issuer 4 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
BOB00010	Prev Trans Output
IDX-01	Prev Trans Output index
Script length	Script length
Sig-Bob PubK-Bob	ScriptSig
Sequence number	Sequence number
4	Number of outputs
10,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash>OP_EQUAL	Output script
5,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash>OP_EQUAL	Output script
10,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
880,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Bob hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime

Bob pays Alice GBP500 in tokenised GBP (expecting his AUD at a rate of \$2/GBP)

Bob pays himself the remainder of tokenised GBP (i.e. change) = GBP750-GBP500

Using regular (untokenised BTC) Bob pays the Service Provider's fee (say, flat rate = 10000 sat)

Using regular (untokenised BTC) Bob pays himself change from 900,000 leaving 1000 for miner

Fig. 11B

Carol sends token to Bob	
CAR00020	Transaction-ID
Version number	Version number
2	Number of inputs
CAR00010	Prev Trans Output
IDX-00	Prev Trans Output index
Script length	Script length
Sig-Car Sig-Issuer < 2 metadata1 metadata2 PubK-Car PubK-Issuer 4 OP_CHECKMULTSIG>	ScriptSig
Sequence number	Sequence number
CAR00010	Prev Trans Output
IDX-01	Prev Trans Output index
Script length	Script length
Sig-Car PubK-Car	ScriptSig
Sequence number	Sequence number
4	Number of outputs
10,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
5,000,000 satoshi	Output value
Output script length	Output script length
OP_HASH160 <redeem script hash> OP_EQUAL	Output script
10,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Server hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
880,000 satoshi	Output value
Output script length	Output script length
OP_DUP OP_HASH160 <PubK-Ali hash> OP_EQUALVERIFY OP_CHECKSIG	Output script
LockTime	LockTime

Carol pays Bob \$1000 in tokenised AUD (expecting her CAD at a rate of \$1CAD/AUD)

Carol pays herself the remainder of tokenised AUD (i.e. change) = \$1500-\$1000

Using regular (untokenised BTC) Carol pays the Service Provider's fee (say, flat rate = 10000 sat)

Using regular (untokenised BTC) Carol pays herself change from 900,000 leaving 1000 for miner

Fig. 11C