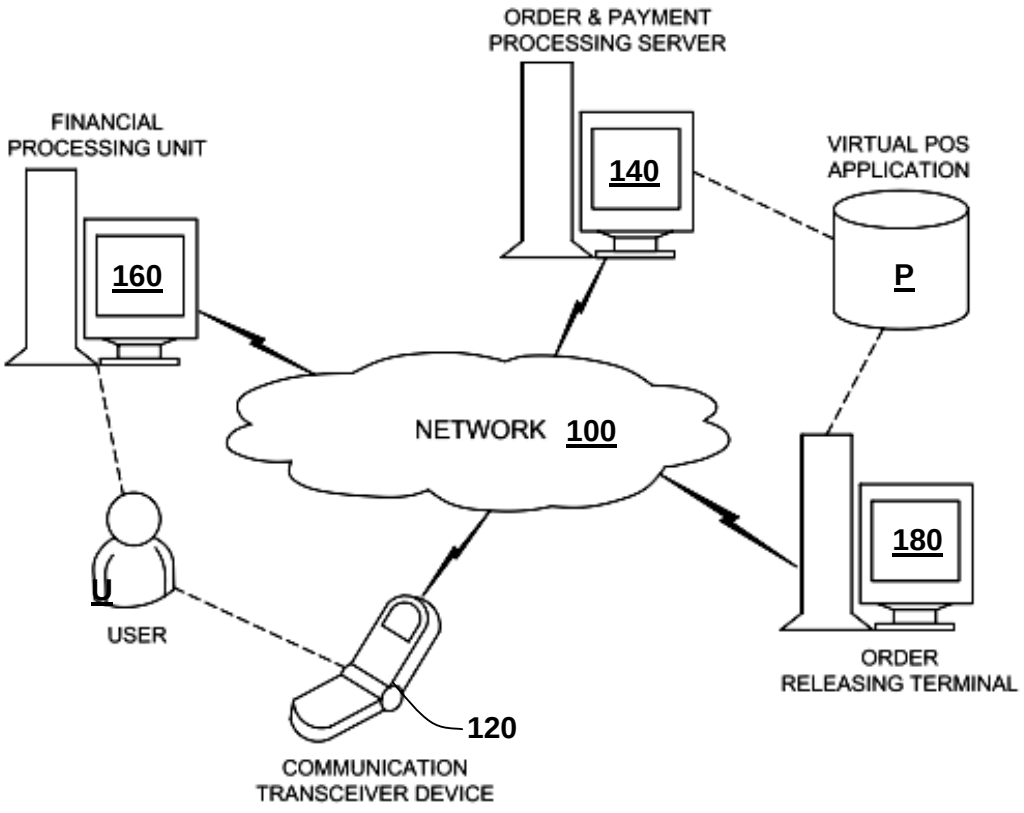
ORDER & PAYMENT
PROCESSING SERVER
140
FINANCIAL
PROCESSING UNIT
160
VIRTUAL POS
APPLICATION
P
NETWORK 100
180
U
USER
ORDER
RELEASING TERMINAL
120
COMMUNICATION
TRANSCEIVER DEVICE

FIG. 1

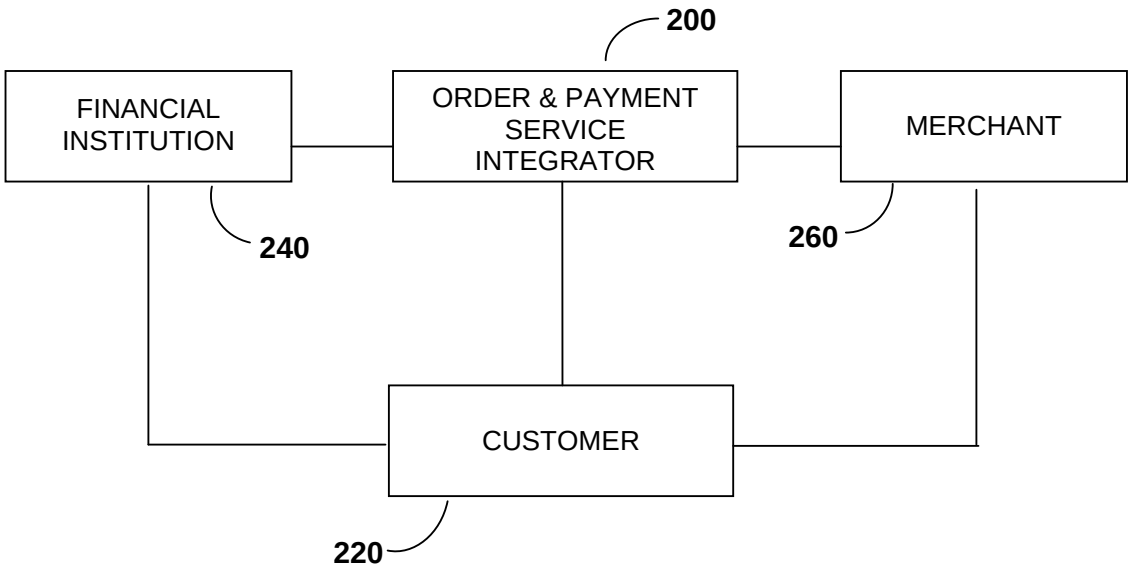
200
FINANCIAL INSTITUTION
ORDER & PAYMENT SERVICE INTEGRATOR
MERCHANT
240
260
CUSTOMER
220

FIG. 2

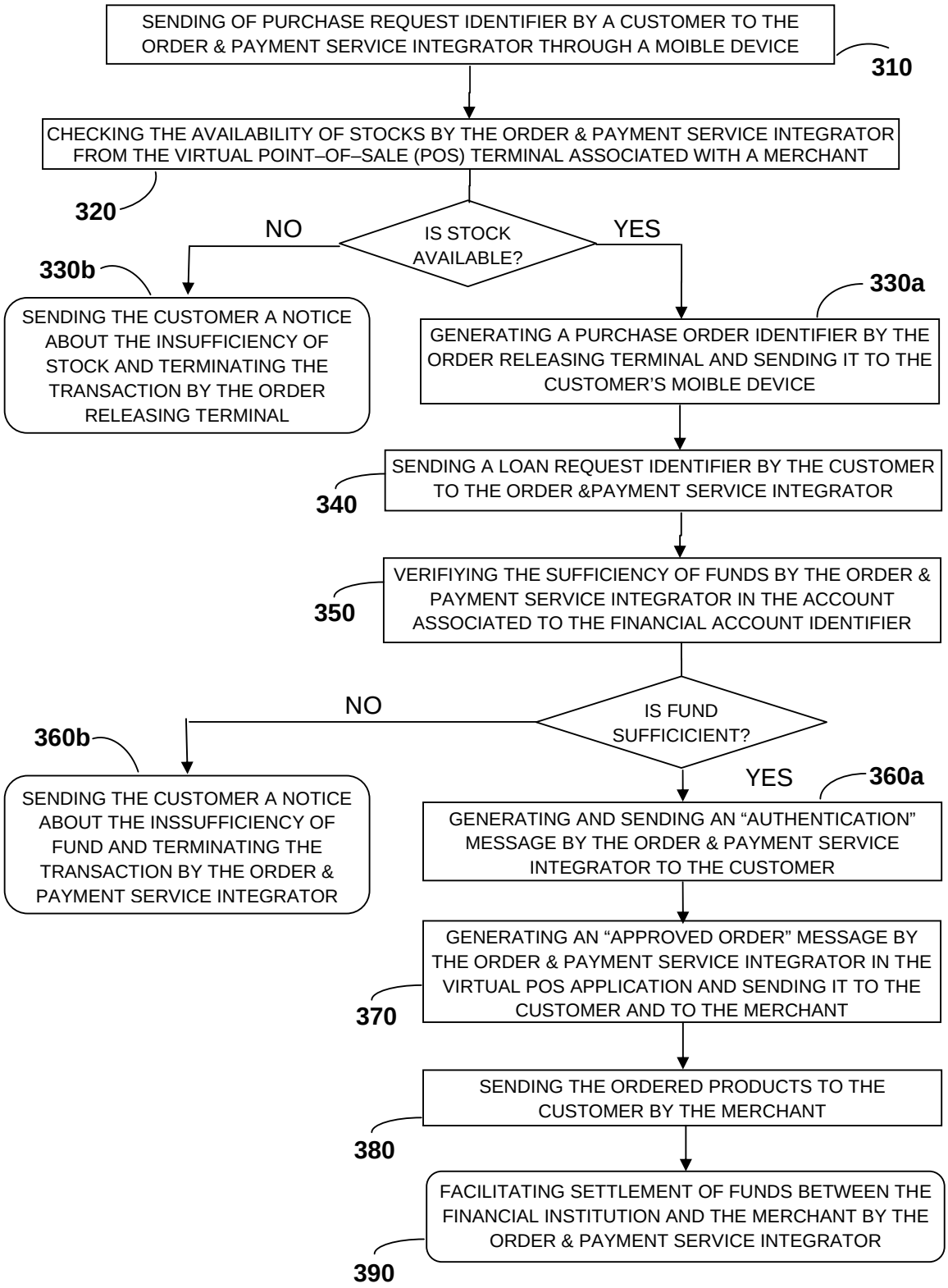
SENDING OF PURCHASE REQUEST IDENTIFIER BY A CUSTOMER TO THE ORDER & PAYMENT SERVICE INTEGRATOR THROUGH A MOIBLE DEVICE
310
CHECKING THE AVAILABILITY OF STOCKS BY THE ORDER & PAYMENT SERVICE INTEGRATOR FROM THE VIRTUAL POINT–OF–SALE (POS) TERMINAL ASSOCIATED WITH A MERCHANT
320
IS STOCK AVAILABLE?
NO
YES
330b
SENDING THE CUSTOMER A NOTICE ABOUT THE INSUFFICIENCY OF STOCK AND TERMINATING THE TRANSACTION BY THE ORDER RELEASING TERMINAL
330a
GENERATING A PURCHASE ORDER IDENTIFIER BY THE ORDER RELEASING TERMINAL AND SENDING IT TO THE CUSTOMER'S MOIBLE DEVICE
SENDING A LOAN REQUEST IDENTIFIER BY THE CUSTOMER TO THE ORDER &PAYMENT SERVICE INTEGRATOR
340
VERIFIYING THE SUFFICIENCY OF FUNDS BY THE ORDER & PAYMENT SERVICE INTEGRATOR IN THE ACCOUNT ASSOCIATED TO THE FINANCIAL ACCOUNT IDENTIFIER
350
IS FUND SUFFICICIENT?
NO
YES
360b
SENDING THE CUSTOMER A NOTICE ABOUT THE INSSUFFICIENCY OF FUND AND TERMINATING THE TRANSACTION BY THE ORDER & PAYMENT SERVICE INTEGRATOR
360a
GENERATING AND SENDING AN "AUTHENTICATION" MESSAGE BY THE ORDER & PAYMENT SERVICE INTEGRATOR TO THE CUSTOMER
GENERATING AN "APPROVED ORDER" MESSAGE BY THE ORDER & PAYMENT SERVICE INTEGRATOR IN THE VIRTUAL POS APPLICATION AND SENDING IT TO THE CUSTOMER AND TO THE MERCHANT
370
SENDING THE ORDERED PRODUCTS TO THE CUSTOMER BY THE MERCHANT
380
FACILITATING SETTLEMENT OF FUNDS BETWEEN THE FINANCIAL INSTITUTION AND THE MERCHANT BY THE ORDER & PAYMENT SERVICE INTEGRATOR
390

FIG. 3