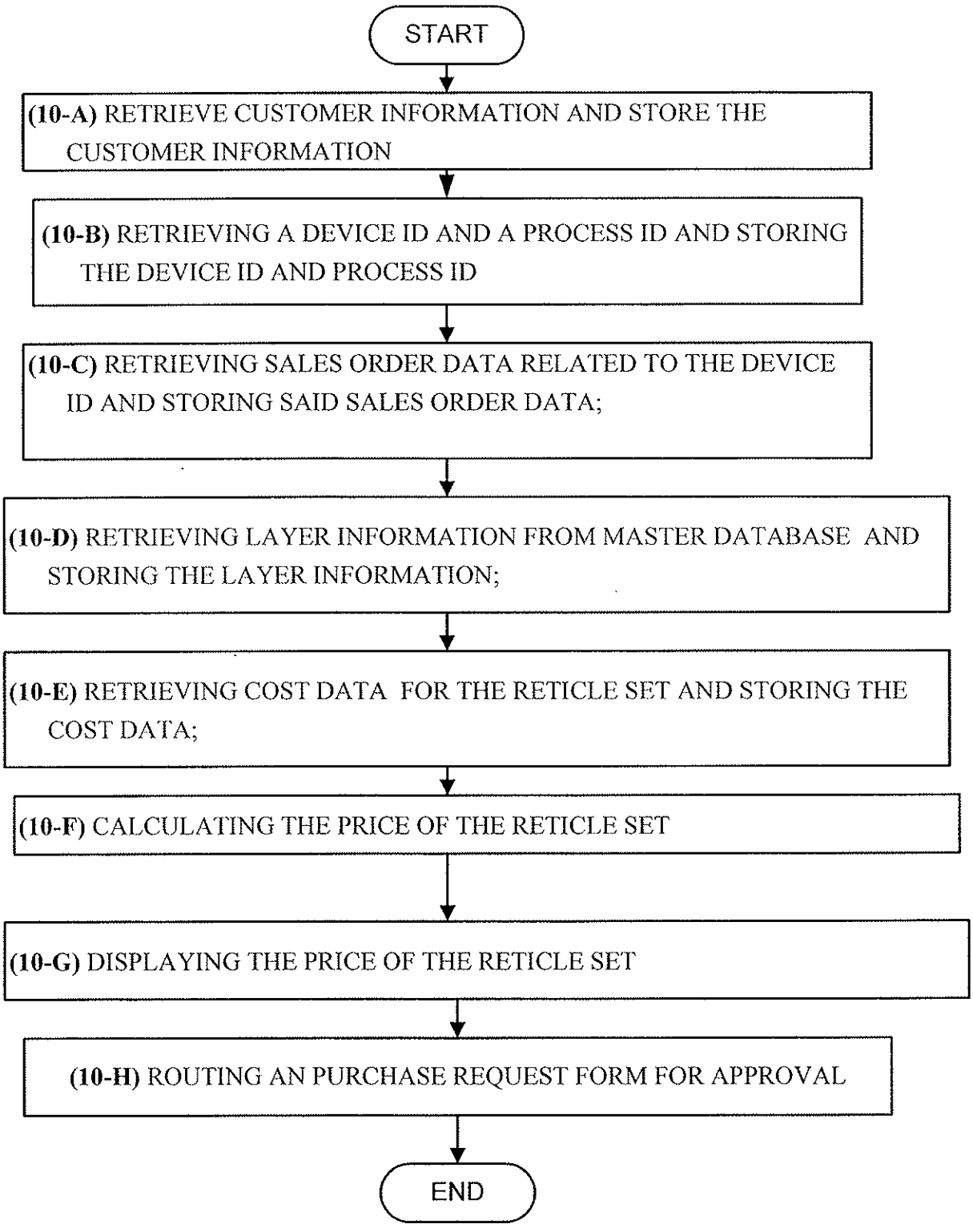

START
(10-A) RETRIEVE CUSTOMER INFORMATION AND STORE THE CUSTOMER INFORMATION
(10-B) RETRIEVING A DEVICE ID AND A PROCESS ID AND STORING THE DEVICE ID AND PROCESS ID
(10-C) RETRIEVING SALES ORDER DATA RELATED TO THE DEVICE ID AND STORING SAID SALES ORDER DATA;
(10-D) RETRIEVING LAYER INFORMATION FROM MASTER DATABASE AND STORING THE LAYER INFORMATION;
(10-E) RETRIEVING COST DATA FOR THE RETICLE SET AND STORING THE COST DATA;
(10-F) CALCULATING THE PRICE OF THE RETICLE SET
(10-G) DISPLAYING THE PRICE OF THE RETICLE SET
(10-H) ROUTING AN PURCHASE REQUEST FORM FOR APPROVAL
END

FIGURE 1

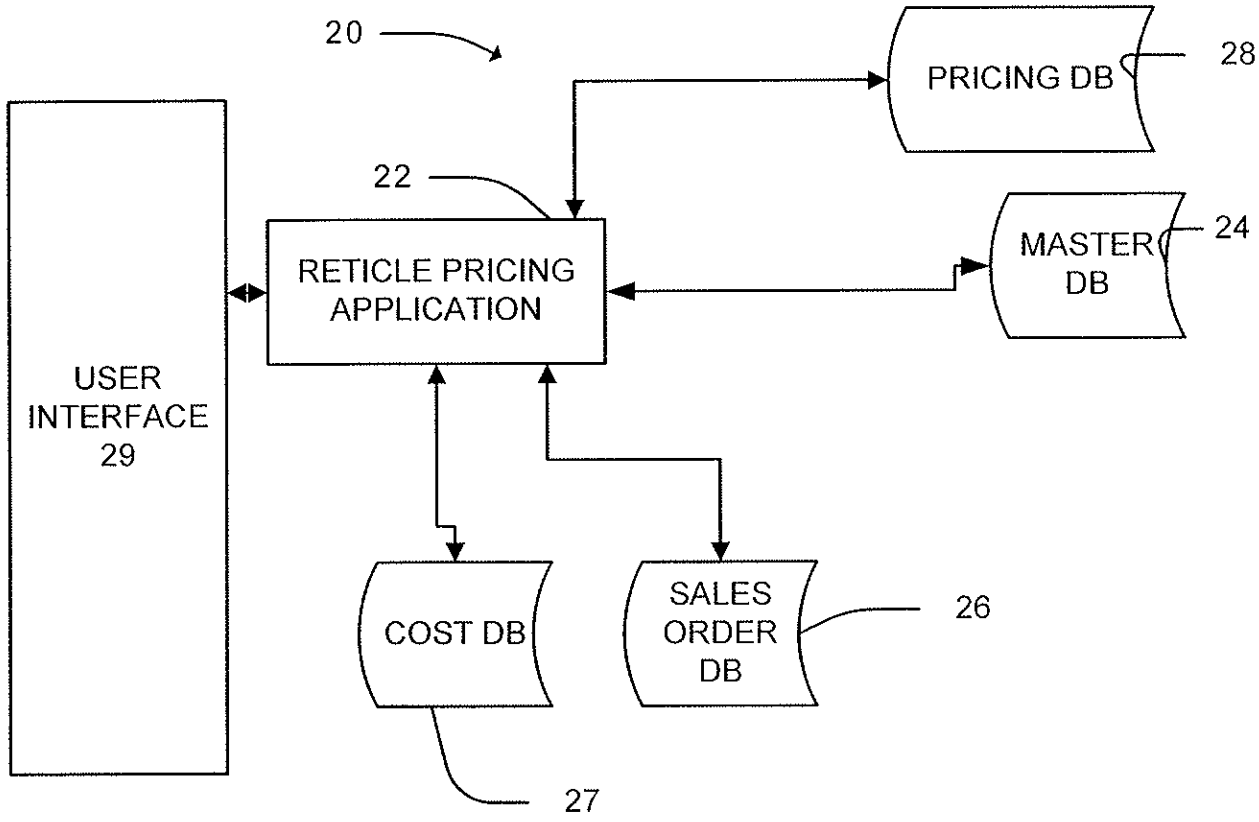

20
PRICING DB
28
22
MASTER DB
24
RETICLE PRICING APPLICATION
USER INTERFACE 29
COST DB
SALES ORDER DB
26
27

FIGURE 2A

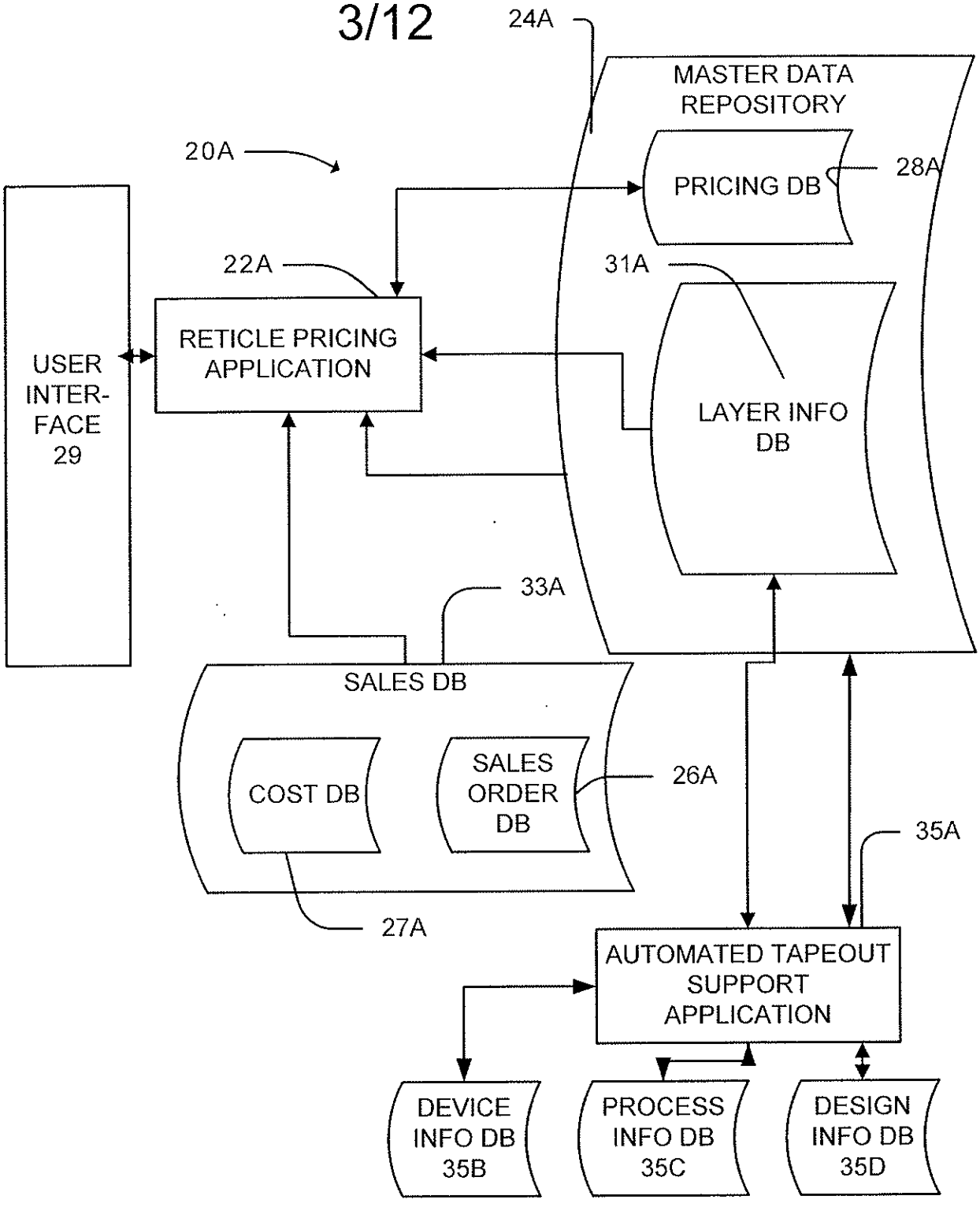

24A
MASTER DATA REPOSITORY
20A
PRICING DB
28A
22A
31A
USER INTER-FACE 29
RETICLE PRICING APPLICATION
LAYER INFO DB
33A
SALES DB
COST DB
SALES ORDER DB
26A
35A
27A
AUTOMATED TAPEOUT SUPPORT APPLICATION
DEVICE INFO DB 35B
PROCESS INFO DB 35C
DESIGN INFO DB 35D

FIGURE 2B

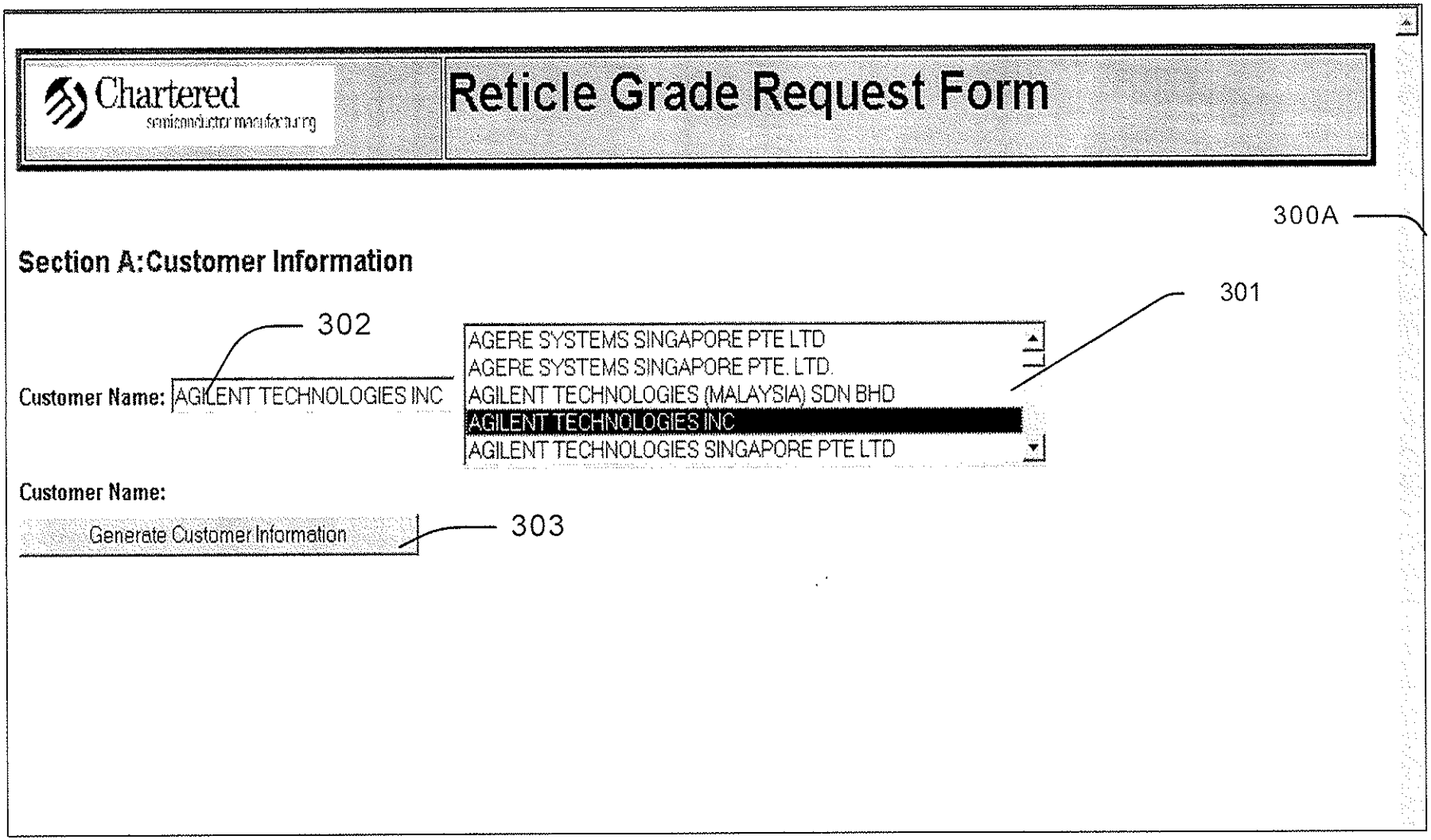

Chartered
semiconductor manufacturing
Reticle Grade Request Form
300A
Section A:Customer Information
301
302
AGERE SYSTEMS SINGAPORE PTE LTD
AGERE SYSTEMS SINGAPORE PTE. LTD.
AGILENT TECHNOLOGIES (MALAYSIA) SDN BHD
AGILENT TECHNOLOGIES INC
AGILENT TECHNOLOGIES SINGAPORE PTE LTD
Customer Name:
AGILENT TECHNOLOGIES INC
Customer Name:
Generate Customer Information
303

FIGURE 3A

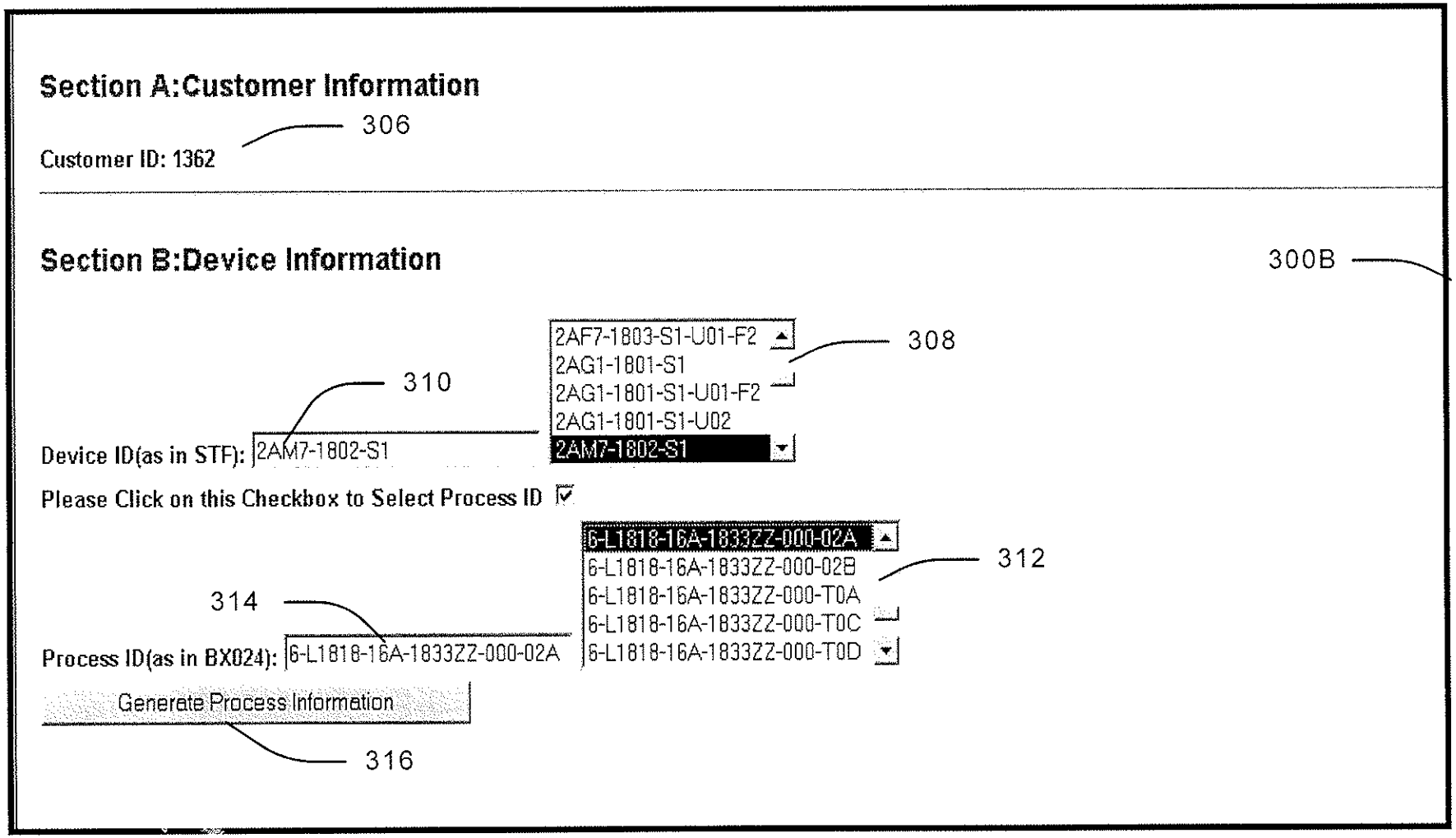

Section A:Customer Information
306
Customer ID: 1362
Section B:Device Information
300B
2AF7-1803-S1-U01-F2
2AG1-1801-S1
2AG1-1801-S1-U01-F2
2AG1-1801-S1-U02
2AM7-1802-S1
308
310
Device ID(as in STF): 2AM7-1802-S1
Please Click on this Checkbox to Select Process ID
6-L1818-16A-1833ZZ-000-02A
6-L1818-16A-1833ZZ-000-02B
6-L1818-16A-1833ZZ-000-T0A
6-L1818-16A-1833ZZ-000-T0C
6-L1818-16A-1833ZZ-000-T0D
312
314
Process ID(as in BX024): 6-L1818-16A-1833ZZ-000-02A
Generate Process Information
316

FIGURE 3B

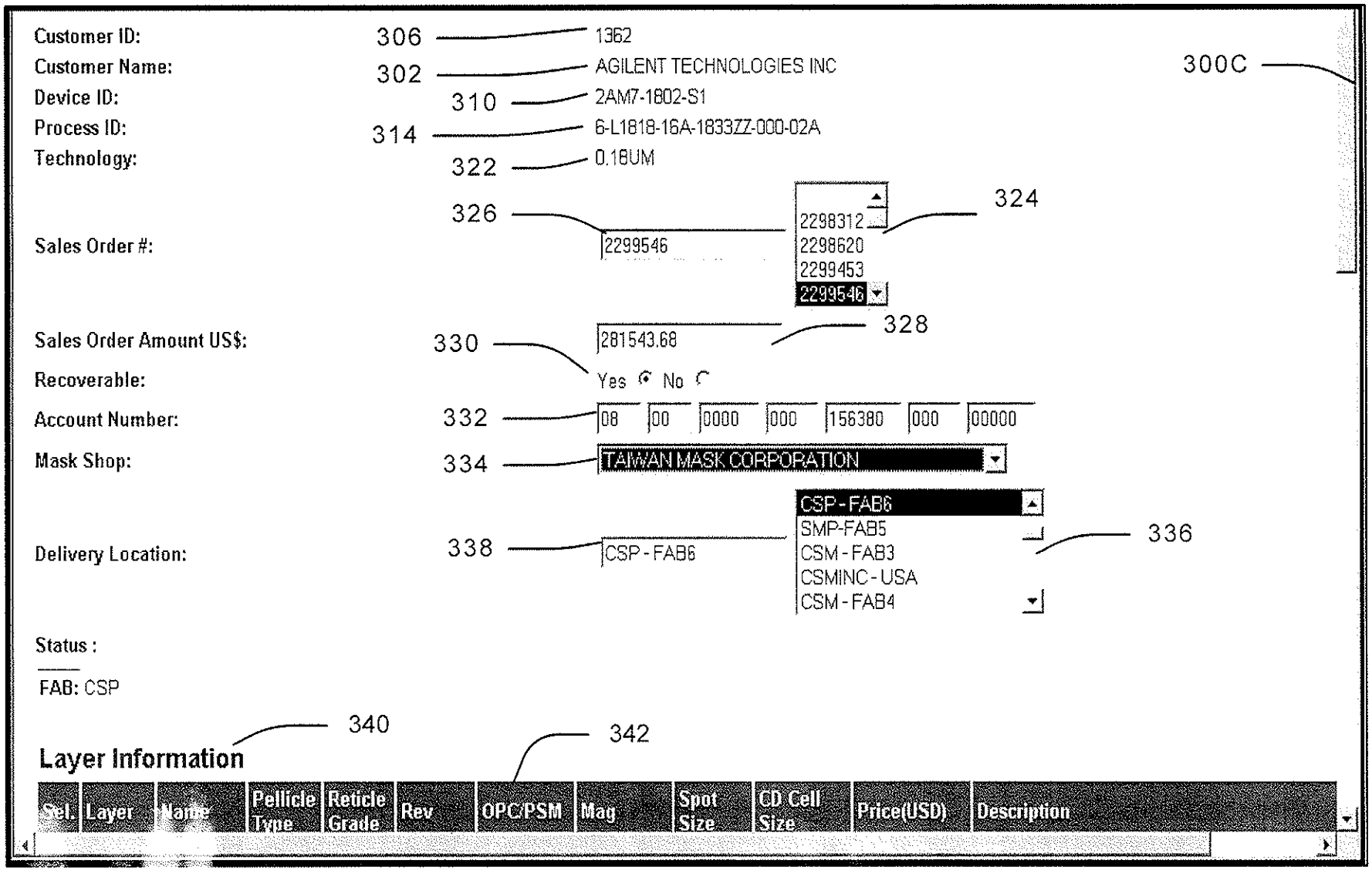

Customer ID:
306
1362
Customer Name:
302
AGILENT TECHNOLOGIES INC
300C
Device ID:
310
2AM7-1802-S1
Process ID:
314
6-L1818-16A-1833ZZ-000-02A
Technology:
322
0.18UM
326
324
Sales Order #:
2299546
2298312
2298620
2299453
2299546
Sales Order Amount US$:
330
281543.68
328
Recoverable:
Yes
No
Account Number:
332
08
00
0000
000
156380
000
00000
Mask Shop:
334
TAIWAN MASK CORPORATION
CSP - FAB6
SMP-FAB5
CSM - FAB3
CSMINC - USA
CSM - FAB4
336
Delivery Location:
338
CSP - FAB6
Status :
FAB: CSP
340
342
Layer Information
Sel
Layer
Name
Pellicle Type
Reticle Grade
Rev
OPC/PSM
Mag
Spot Size
CD Cell Size
Price(USD)
Description

FIGURE 3C

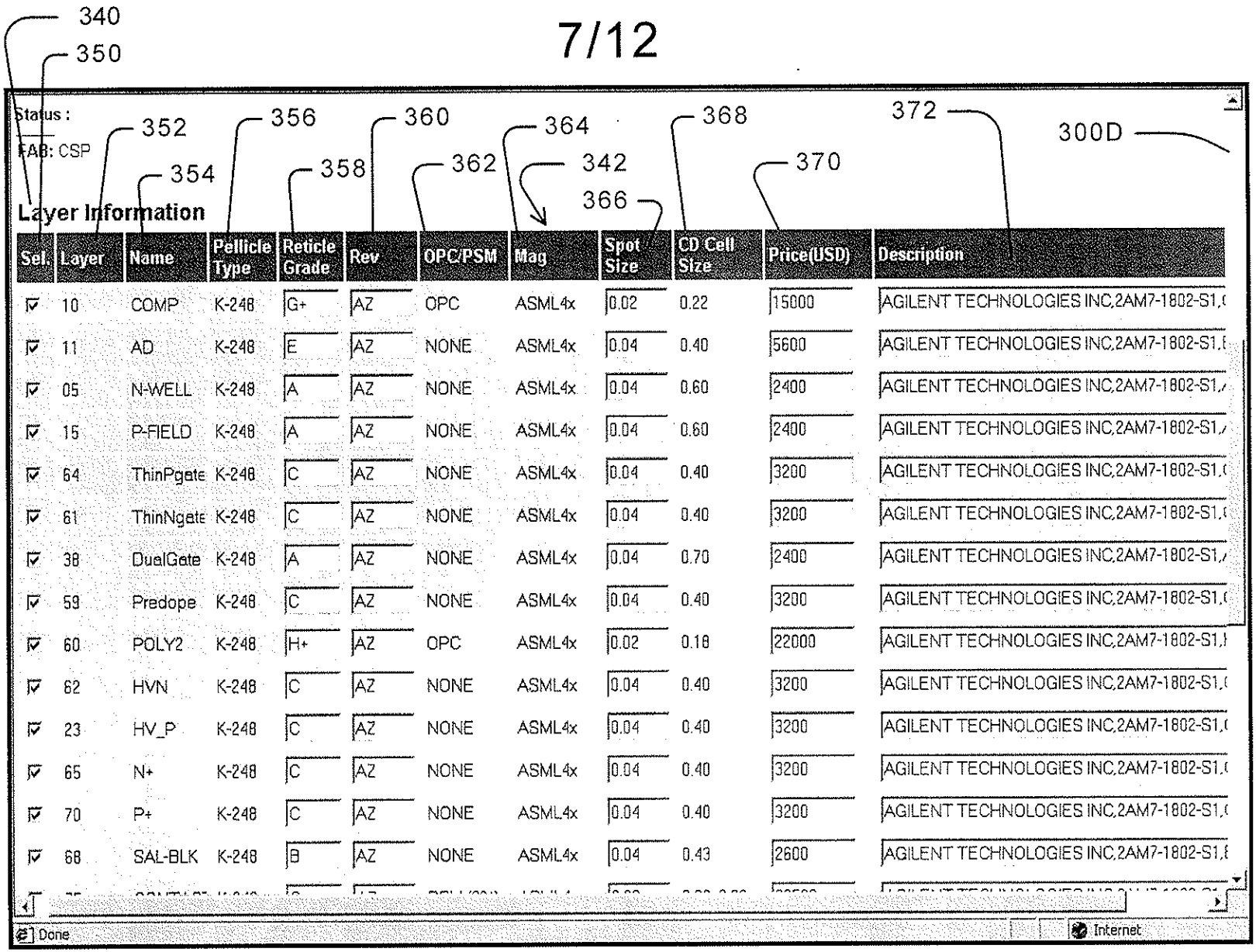

340
350
352
354
356
358
360
362
364
342
366
368
370
372
300D
Status :
FAB: CSP
Layer Information
Sel.
Layer
Name
Pellicle Type
Reticle Grade
Rev
OPC/PSM
Mag
Spot Size
CD Cell Size
Price(USD)
Description
10 COMP K-248 G+ AZ OPC ASML4x 0.02 0.22 15000 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
11 AD K-248 E AZ NONE ASML4x 0.04 0.40 5600 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,E
05 N-WELL K-248 A AZ NONE ASML4x 0.04 0.60 2400 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,A
15 P-FIELD K-248 A AZ NONE ASML4x 0.04 0.60 2400 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,A
64 ThinPgate K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
61 ThinNgate K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
38 DualGate K-248 A AZ NONE ASML4x 0.04 0.70 2400 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,A
59 Predope K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
60 POLY2 K-248 H+ AZ OPC ASML4x 0.02 0.18 22000 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,H
62 HVN K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
23 HV_P K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
65 N+ K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
70 P+ K-248 C AZ NONE ASML4x 0.04 0.40 3200 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,(
68 SAL-BLK K-248 B AZ NONE ASML4x 0.04 0.43 2600 AGILENT TECHNOLOGIES INC,2AM7-1802-S1,B
Done
Internet

FIGURE 3D

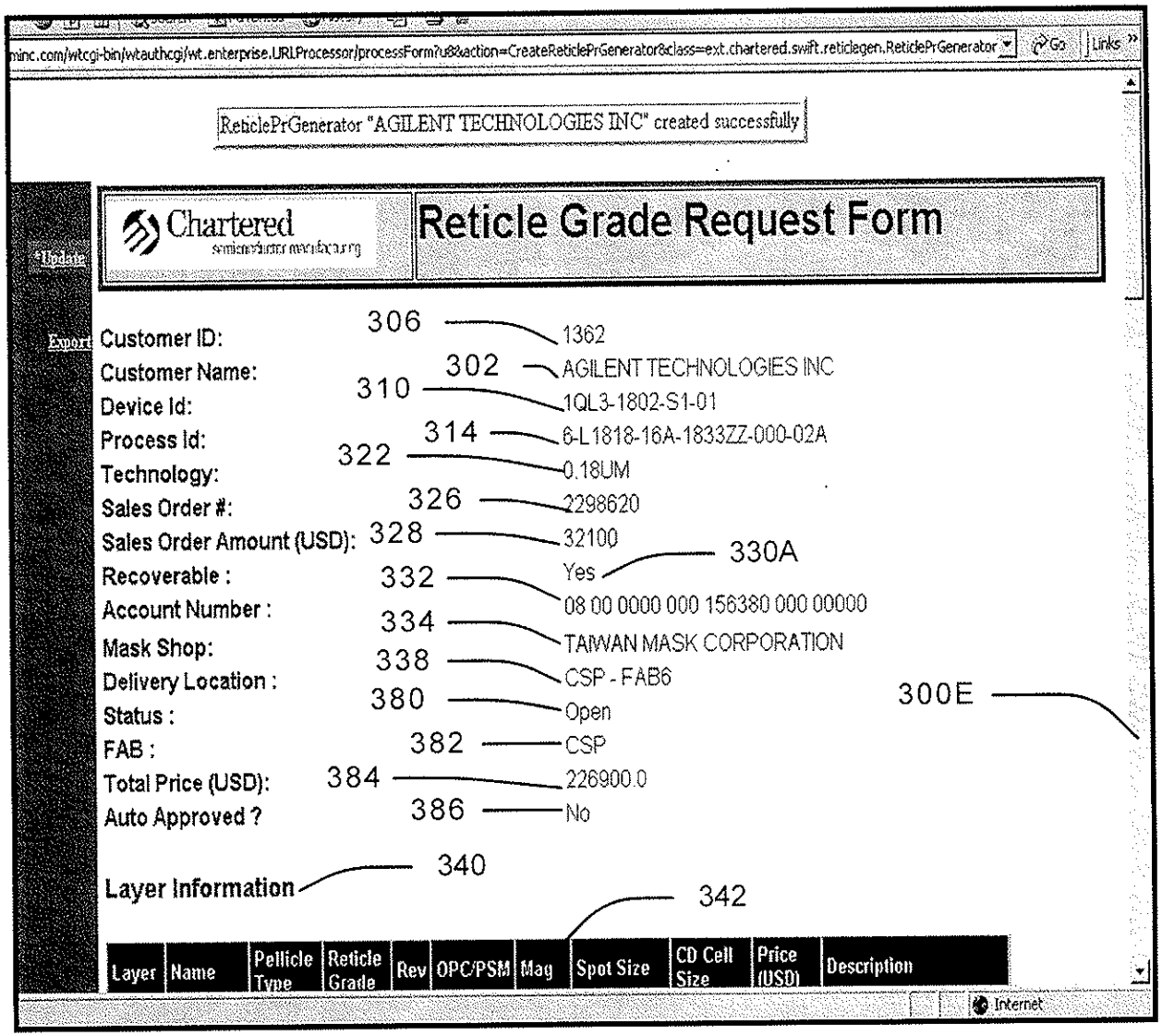

minc.com/wtcgi-bin/wtauthcgi/wt.enterprise.URLProcessor/processForm?u8&action=CreateReticlePrGenerator&class=ext.chartered.swift.reticlegen.ReticlePrGenerator
Go
Links
ReticlePrGenerator "AGILENT TECHNOLOGIES INC" created successfully
Chartered
Reticle Grade Request Form
Update
Export
306
Customer ID:
1362
302
Customer Name:
AGILENT TECHNOLOGIES INC
310
Device Id:
1QL3-1802-S1-01
314
Process Id:
6-L1818-16A-1833ZZ-000-02A
322
Technology:
0.18UM
326
Sales Order #:
2298620
328
Sales Order Amount (USD):
32100
330A
Recoverable :
Yes
332
Account Number :
08 00 0000 000 156380 000 00000
334
Mask Shop:
TAIWAN MASK CORPORATION
338
Delivery Location :
CSP - FAB6
300E
380
Status :
Open
382
FAB :
CSP
384
Total Price (USD):
226900.0
386
Auto Approved ?
No
340
Layer Information
342
Layer
Name
Pellicle Type
Reticle Grade
Rev
OPC/PSM
Mag
Spot Size
CD Cell Size
Price (USD)
Description
Internet

FIGURE 3E

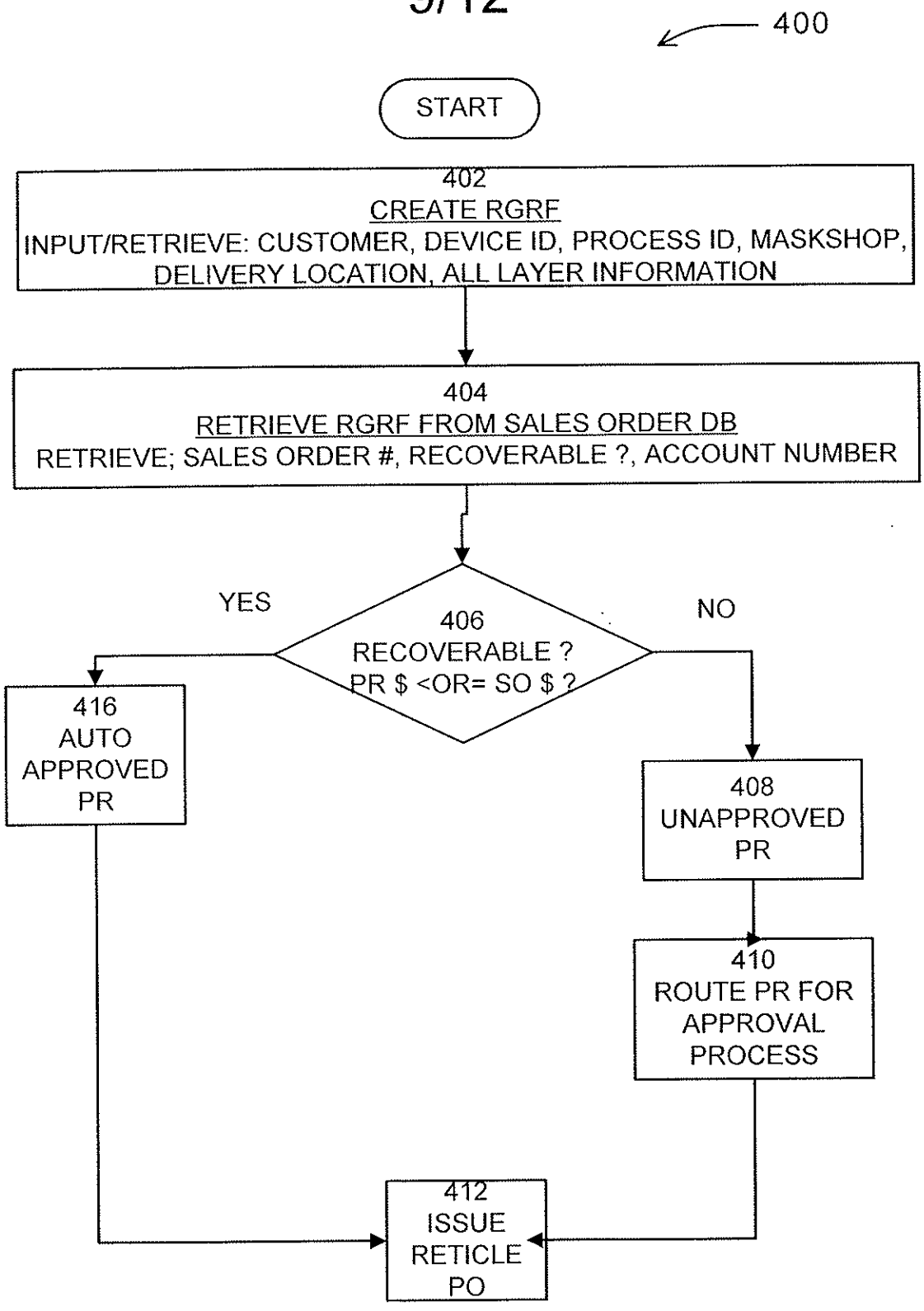

400
START
402
CREATE RGRF
INPUT/RETRIEVE: CUSTOMER, DEVICE ID, PROCESS ID, MASKSHOP, DELIVERY LOCATION, ALL LAYER INFORMATION
404
RETRIEVE RGRF FROM SALES ORDER DB
RETRIEVE; SALES ORDER #, RECOVERABLE ?, ACCOUNT NUMBER
406
RECOVERABLE ?
PR $ <OR= SO $?
YES
NO
416
AUTO APPROVED PR
408
UNAPPROVED PR
410
ROUTE PR FOR APPROVAL PROCESS
412
ISSUE RETICLE PO

FIGURE 4

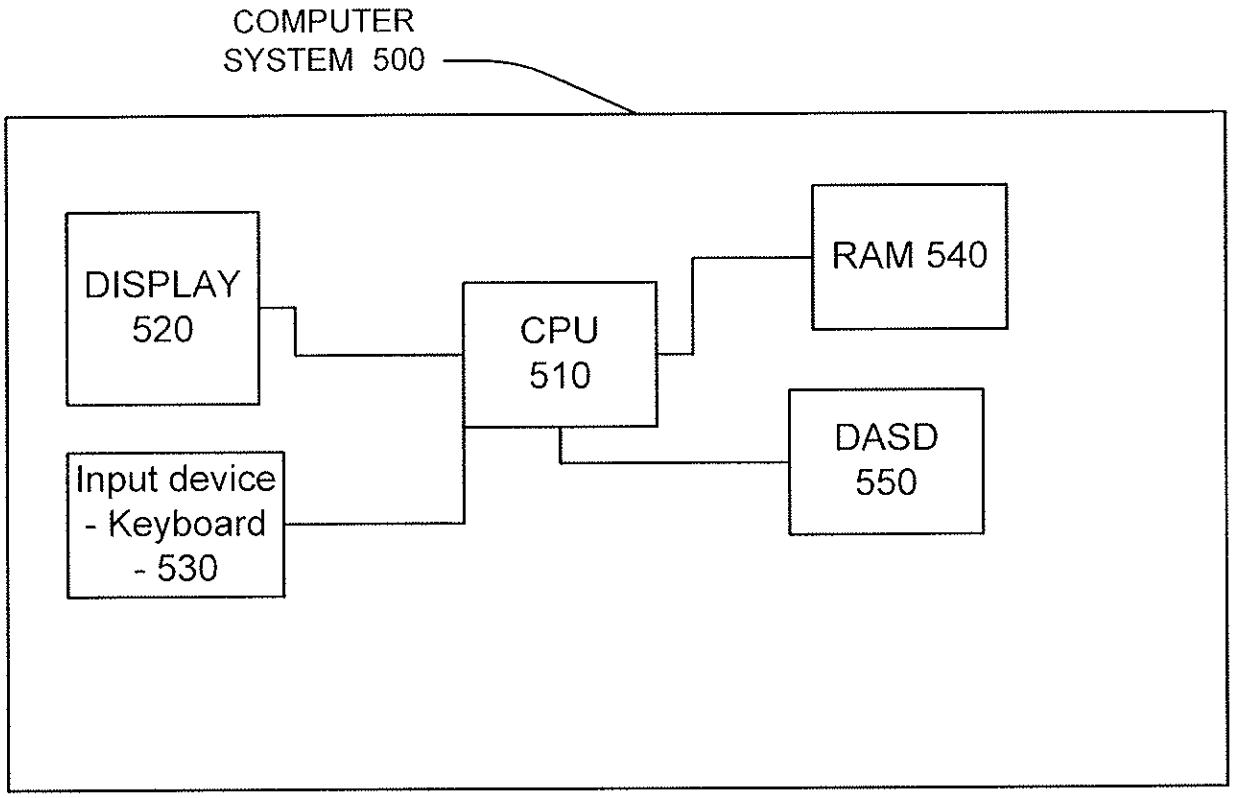

COMPUTER
SYSTEM 500
DISPLAY
520
CPU
510
RAM 540
DASD
550
Input device
- Keyboard
- 530

FIGURE 5A

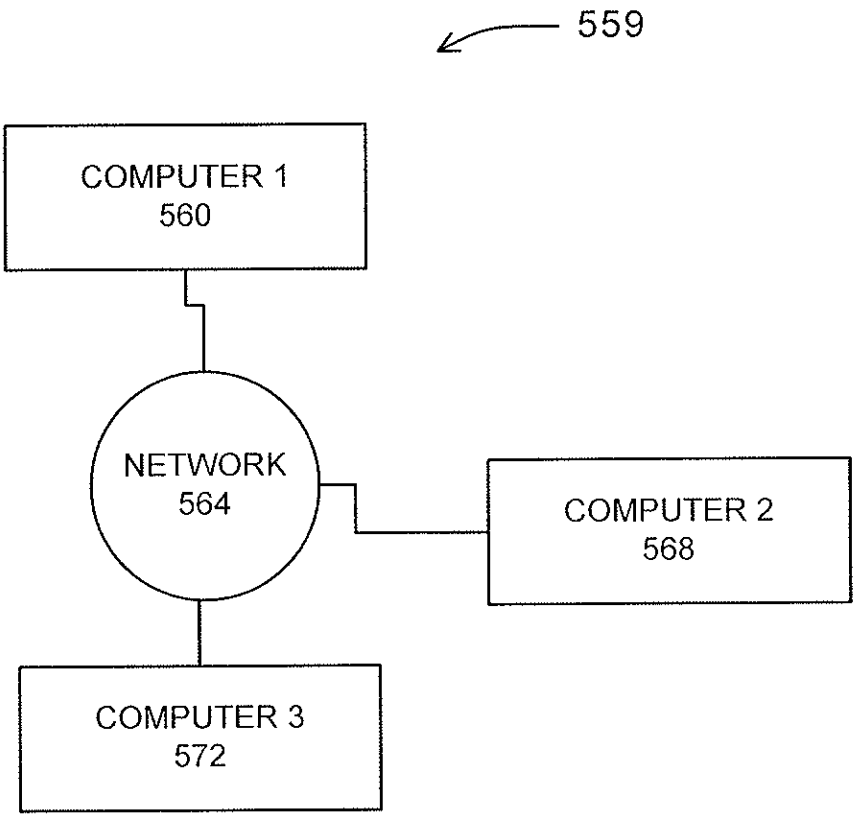


FIGURE 5B

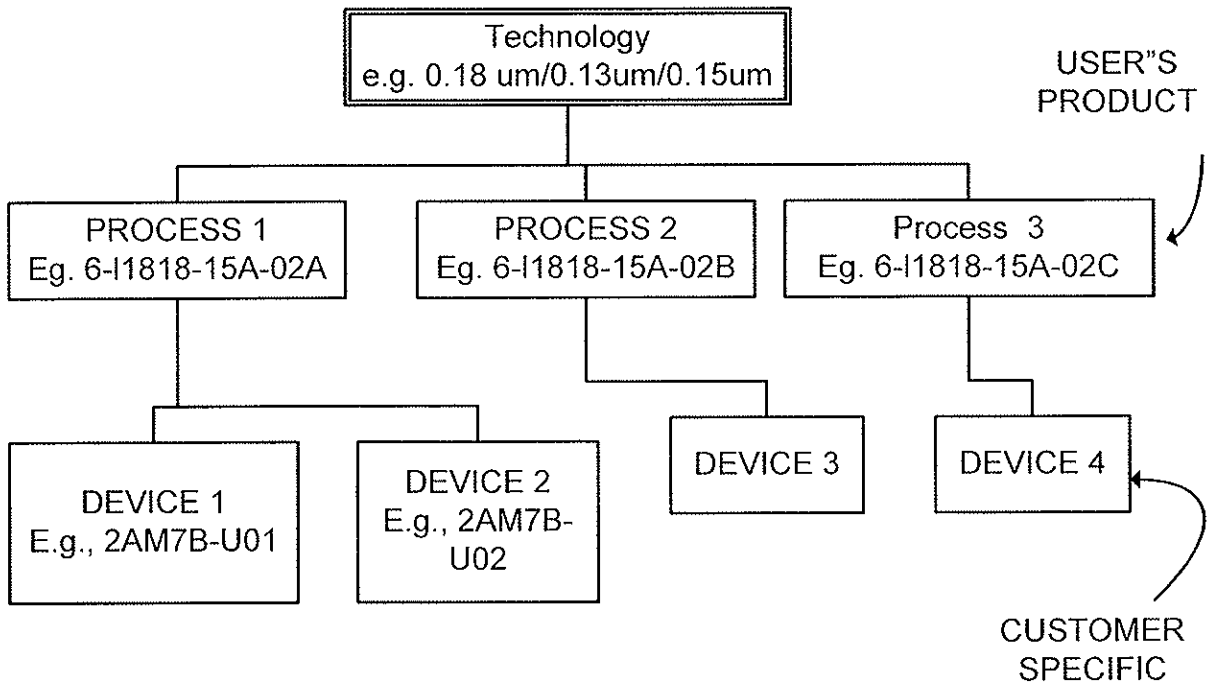

Technology
e.g. 0.18 um/0.13um/0.15um
USER"S
PRODUCT
PROCESS 1
Eg. 6-I1818-15A-02A
PROCESS 2
Eg. 6-I1818-15A-02B
Process 3
Eg. 6-I1818-15A-02C
DEVICE 1
E.g., 2AM7B-U01
DEVICE 2
E.g., 2AM7B-
U02
DEVICE 3
DEVICE 4
CUSTOMER
SPECIFIC

FIGURE 6