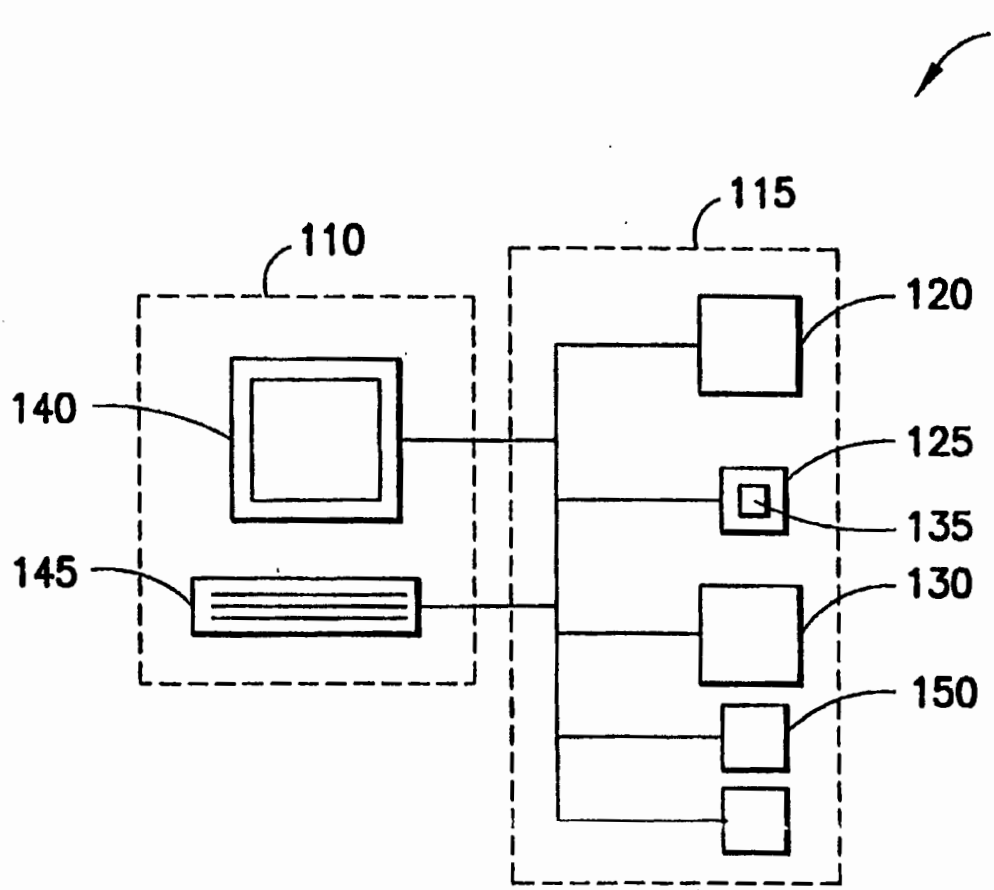


FIG. 1

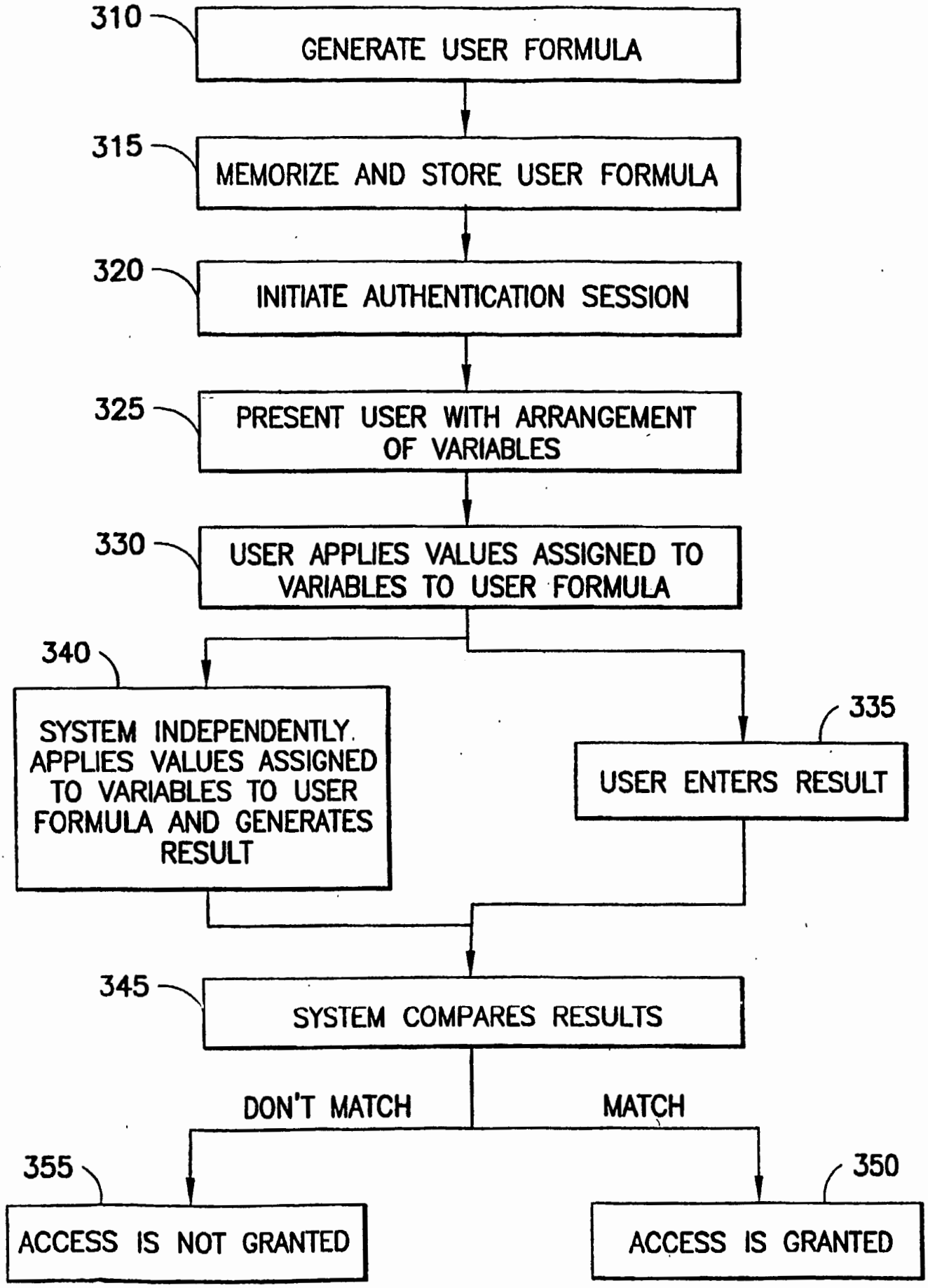

310
GENERATE USER FORMULA
315
MEMORIZE AND STORE USER FORMULA
320
INITIATE AUTHENTICATION SESSION
325
PRESENT USER WITH ARRANGEMENT OF VARIABLES
330
USER APPLIES VALUES ASSIGNED TO VARIABLES TO USER FORMULA
340
SYSTEM INDEPENDENTLY APPLIES VALUES ASSIGNED TO VARIABLES TO USER FORMULA AND GENERATES RESULT
335
USER ENTERS RESULT
345
SYSTEM COMPARES RESULTS
DON'T MATCH
MATCH
355
ACCESS IS NOT GRANTED
350
ACCESS IS GRANTED

FIG.2

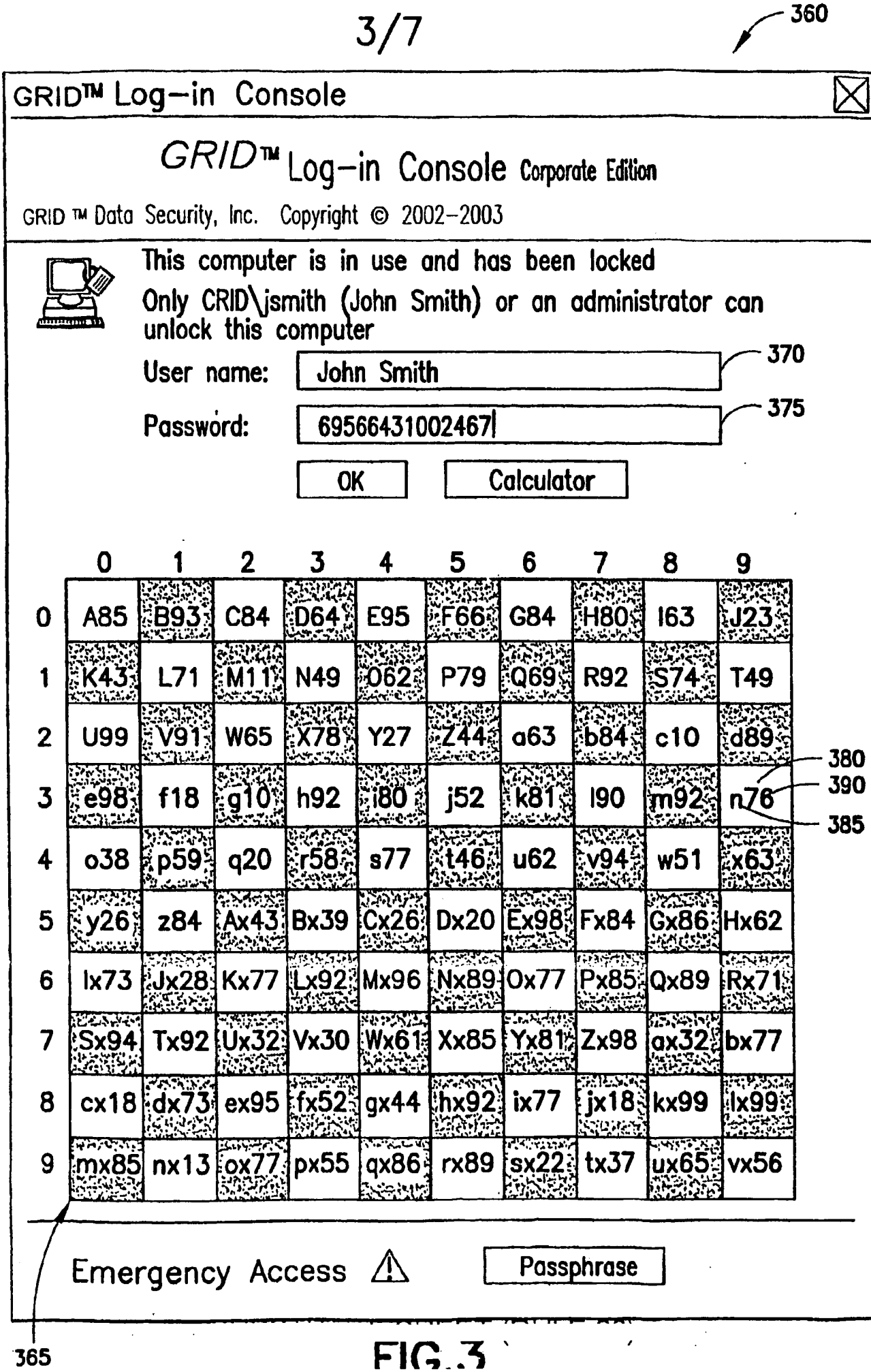

360
GRID™ Log–in Console
GRID™ Log–in Console Corporate Edition
GRID ™ Data Security, Inc. Copyright © 2002–2003
This computer is in use and has been locked
Only CRID\jsmith (John Smith) or an administrator can unlock this computer
User name: John Smith
370
Password: 69566431002467
375
OK
Calculator
0 1 2 3 4 5 6 7 8 9
0 A85 B93 C84 D64 E95 F66 G84 H80 I63 J23
1 K43 L71 M11 N49 O62 P79 Q69 R92 S74 T49
2 U99 V91 W65 X78 Y27 Z44 a63 b84 c10 d89
3 e98 f18 g10 h92 i80 j52 k81 l90 m92 n76
380
390
385
4 o38 p59 q20 r58 s77 t46 u62 v94 w51 x63
5 y26 z84 Ax43 Bx39 Cx26 Dx20 Ex98 Fx84 Gx86 Hx62
6 Ix73 Jx28 Kx77 Lx92 Mx96 Nx89 Ox77 Px85 Qx89 Rx71
7 Sx94 Tx92 Ux32 Vx30 Wx61 Xx85 Yx81 Zx98 ax32 bx77
8 cx18 dx73 ex95 fx52 gx44 hx92 ix77 jx18 kx99 lx99
9 mx85 nx13 ox77 px55 qx86 rx89 sx22 tx37 ux65 vx56
Emergency Access
Passphrase
365

FIG. 3

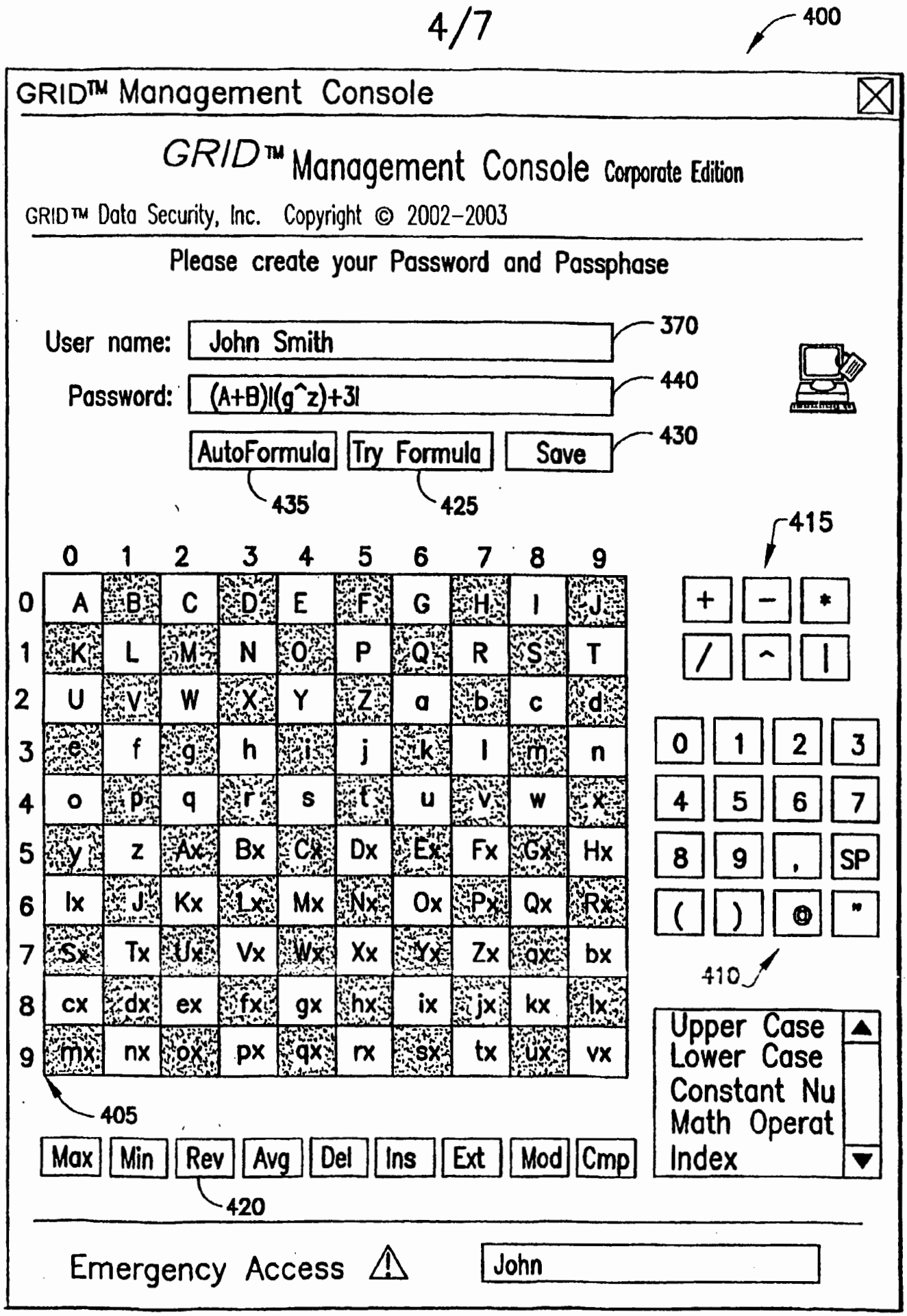

400
GRID™ Management Console
GRID™ Management Console Corporate Edition
GRID™ Data Security, Inc. Copyright © 2002-2003
Please create your Password and Passphase
User name:
John Smith
370
Password:
(A+B)|(g^z)+3|
440
AutoFormula
Try Formula
Save
430
435
425
415
0 1 2 3 4 5 6 7 8 9
0 A B C D E F G H I J
1 K L M N O P Q R S T
2 U V W X Y Z a b c d
3 e f g h i j k l m n
4 o p q r s t u v w x
5 y z Ax Bx Cx Dx Ex Fx Gx Hx
6 Ix Jx Kx Lx Mx Nx Ox Px Qx Rx
7 Sx Tx Ux Vx Wx Xx Yx Zx ax bx
8 cx dx ex fx gx hx ix jx kx lx
9 mx nx ox px qx rx sx tx ux vx
+ - * / ^ |
0 1 2 3 4 5 6 7 8 9 , SP ( ) @ "
410
Upper Case
Lower Case
Constant Nu
Math Operat
Index
405
Max Min Rev Avg Del Ins Ext Mod Cmp
420
Emergency Access
John

FIG.4

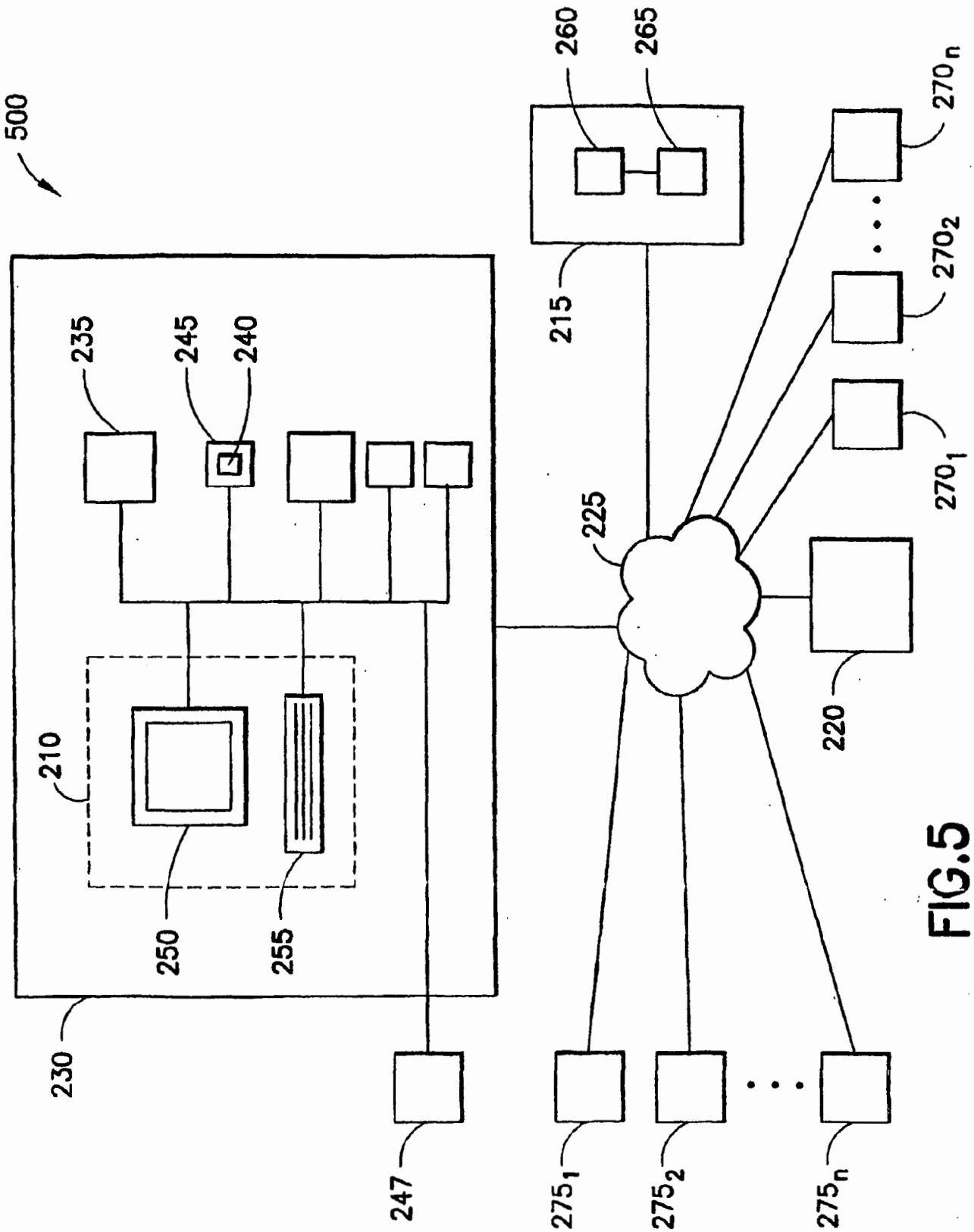

500
260
265
270_n
270_2
270_1
215
235
245
240
225
210
220
250
255
230
247
275_1
275_2
275_n

FIG.5

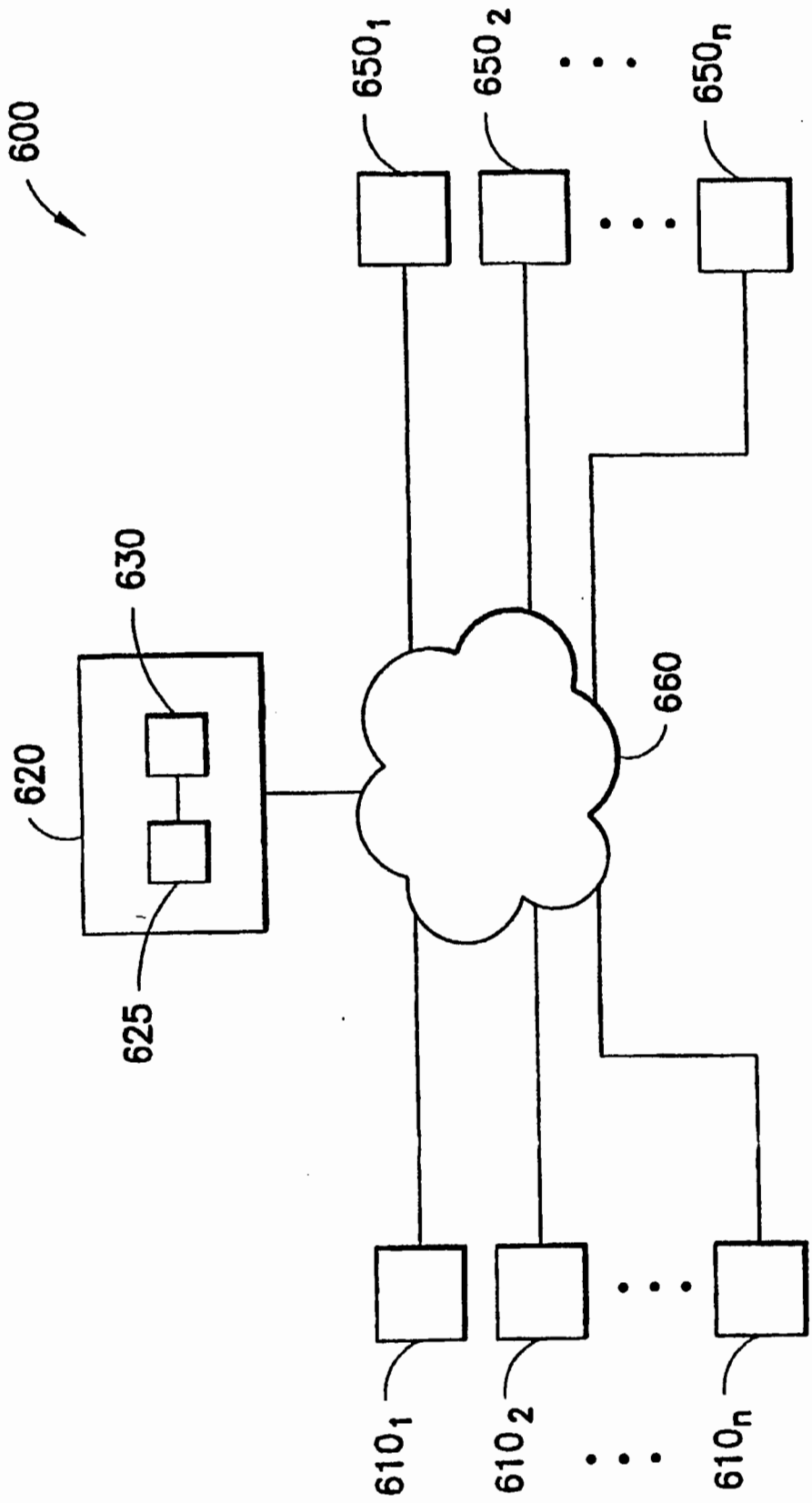


FIG.6

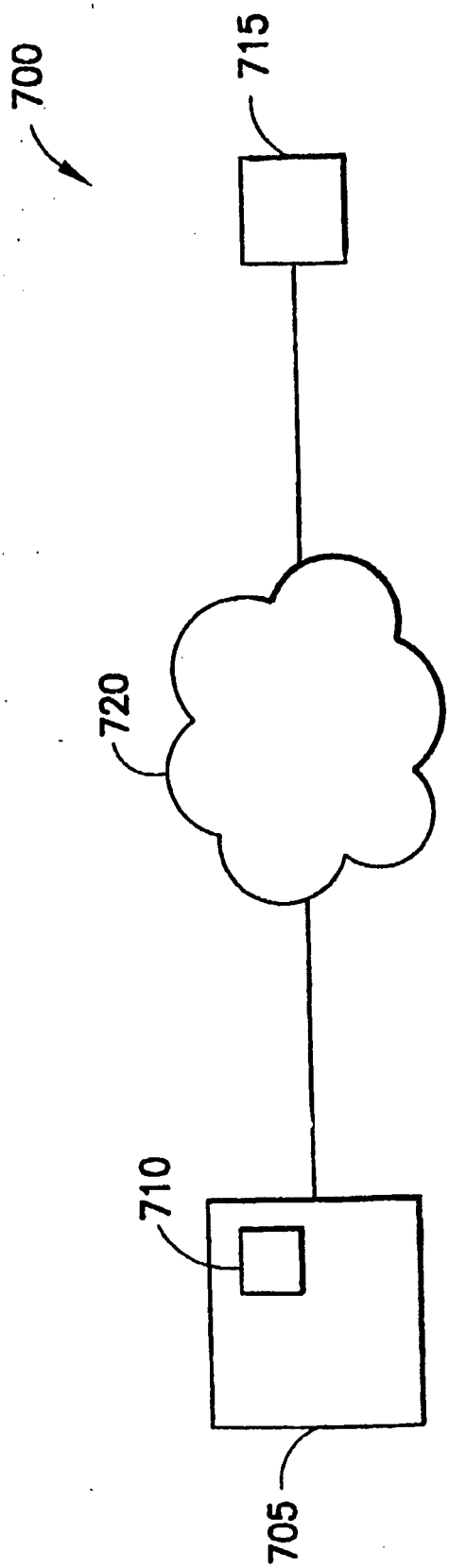


FIG.7

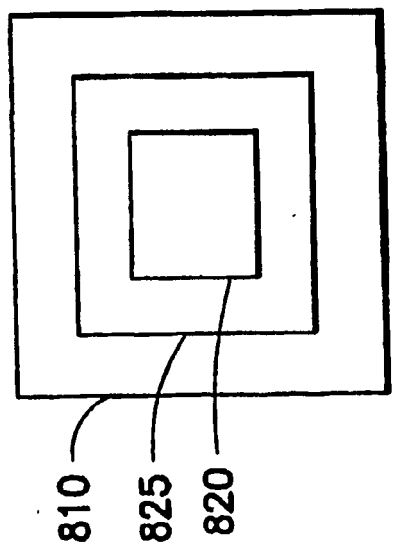


FIG.8