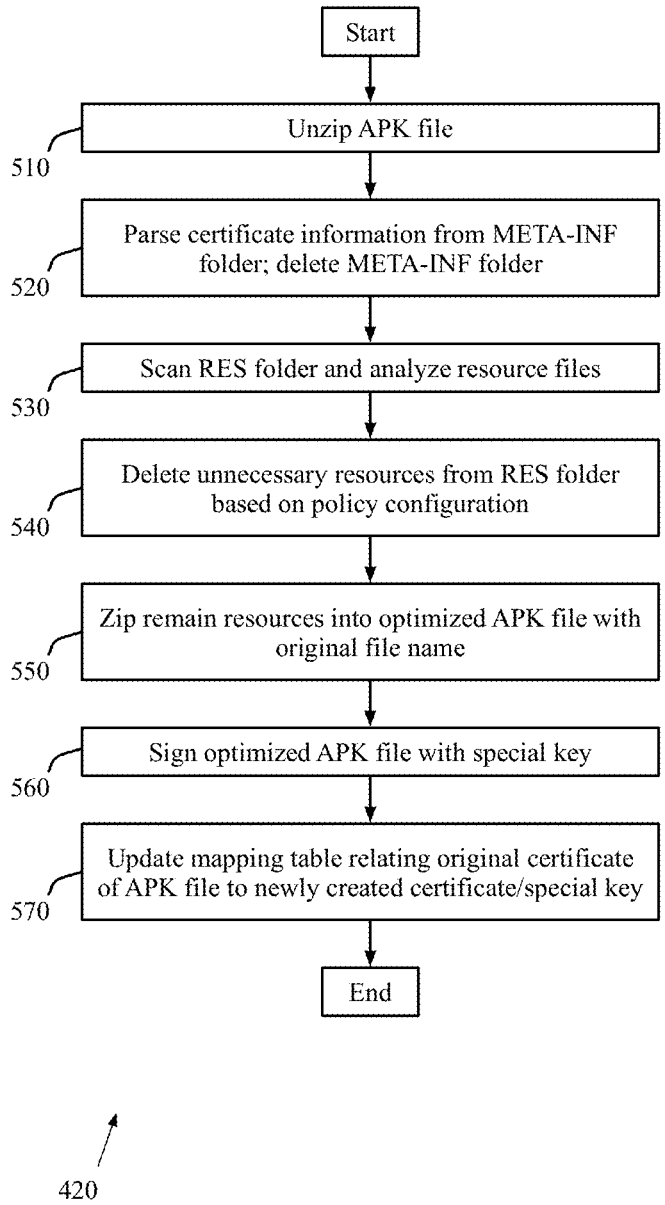
Start
Unzip APK file
510
Parse certificate information from META-INF folder; delete META-INF folder
520
Scan RES folder and analyze resource files
530
Delete unnecessary resources from RES folder based on policy configuration
540
Zip remain resources into optimized APK file with original file name
550
Sign optimized APK file with special key
560
Update mapping table relating original certificate of APK file to newly created certificate/special key
570
End
420

FIGURE 5