# Recovering Deleted and Damaged Files (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 03

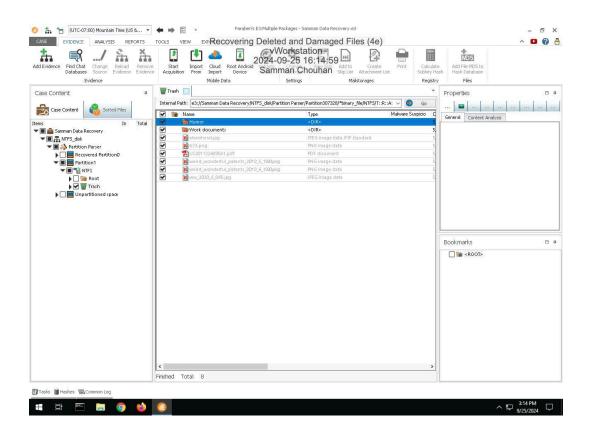
Student:	Email:
Samman Chouhan	schouhan1@hawk.iit.edu
Time on Task:	Progress:
2 hours, 2 minutes	100%

Report Generated: Wednesday, September 25, 2024 at 7:09 PM

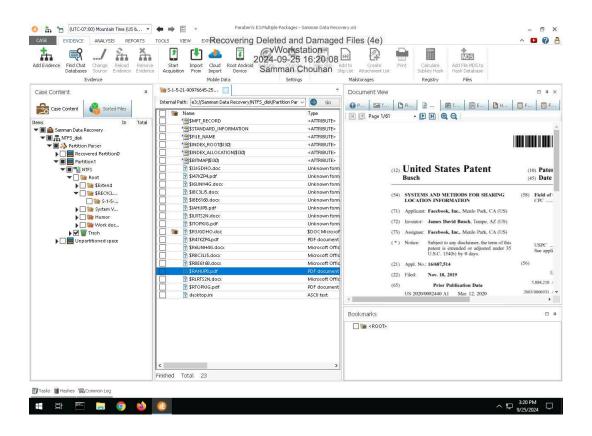
### **Section 1: Hands-On Demonstration**

## Part 1: Recover Deleted Files from an NTFS Drive Image with E3

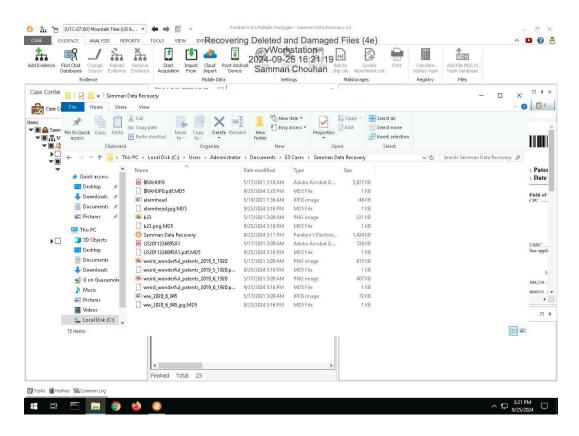
13. Make a screen capture showing the list of recovered files and folders in the E3 Trash folder.



#### 20. Make a screen capture showing the patent file in the File Viewer.

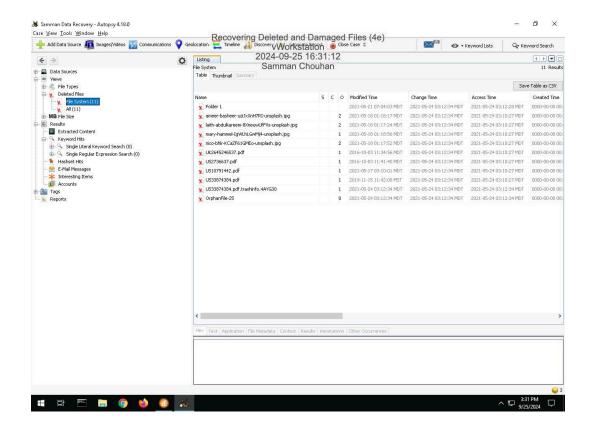


25. Make a screen capture showing the recovered files in the File Explorer.

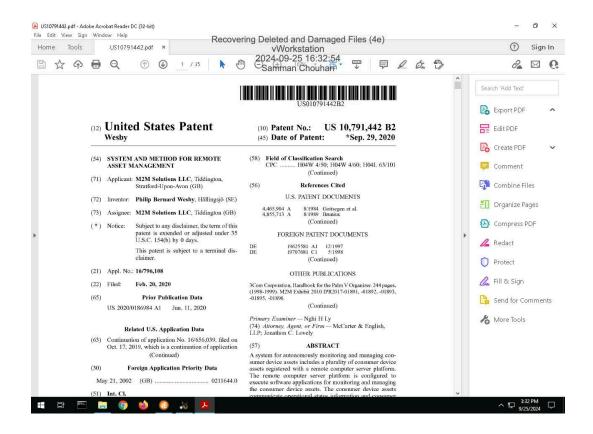


Part 2: Recover Deleted Files from an Ext4 Drive Image with Autopsy

#### 14. Make a screen capture showing the contents of the list of deleted files in Autopsy.



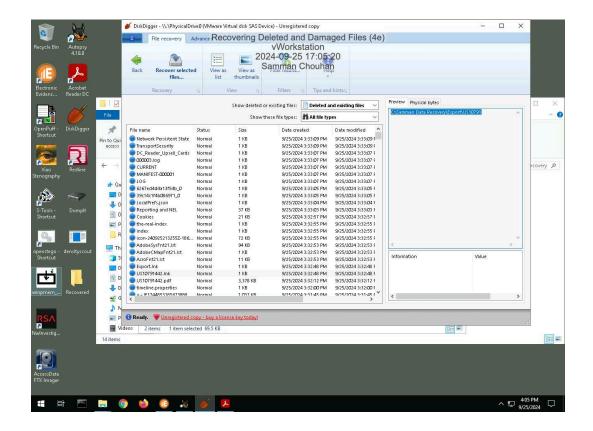
#### 22. Make a screen capture showing the recovered patent file.



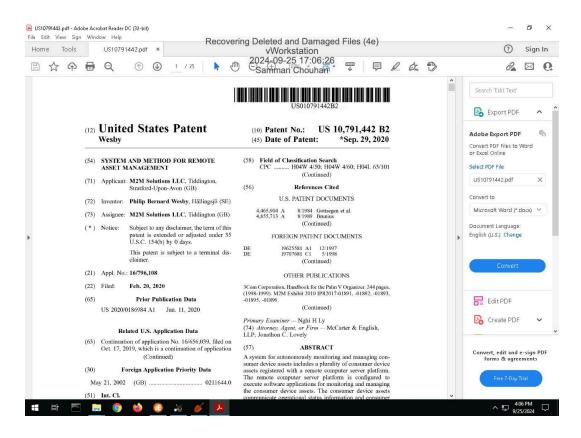
# **Section 2: Applied Learning**

# Part 1: Recover Deleted Files in Windows with DiskDigger

9. Make a screen capture showing the deleted patent file in DiskDigger.

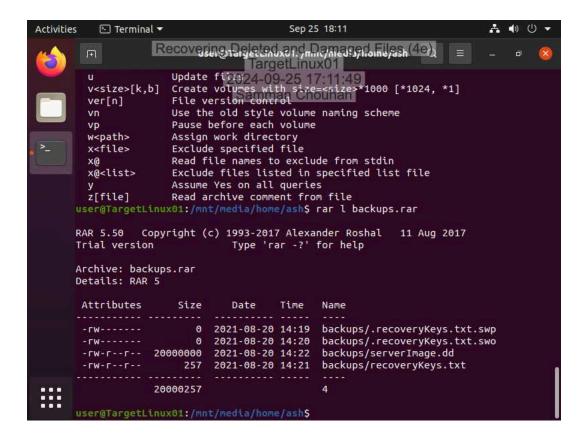


15. Make a screen capture showing the recovered patent file.

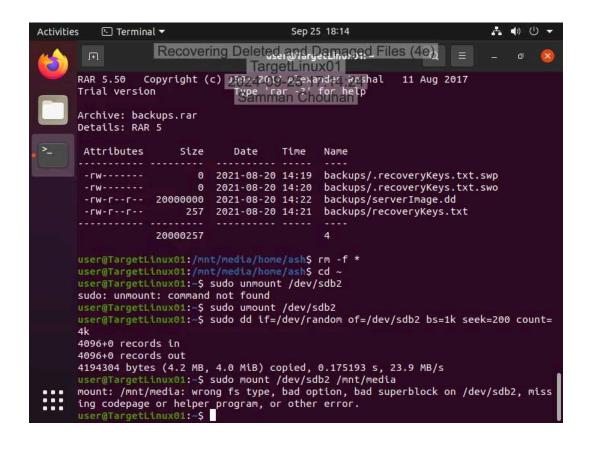


Part 2: Recover Deleted Files in Linux with PhotoRec

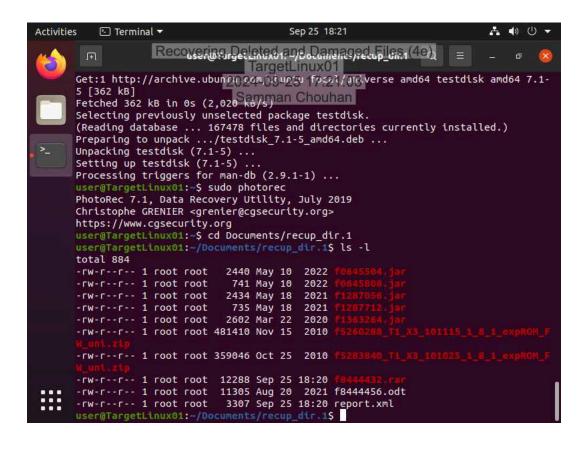
 Make a screen capture showing the contents of the RAR archive in the /mnt/media/home/ash directory.



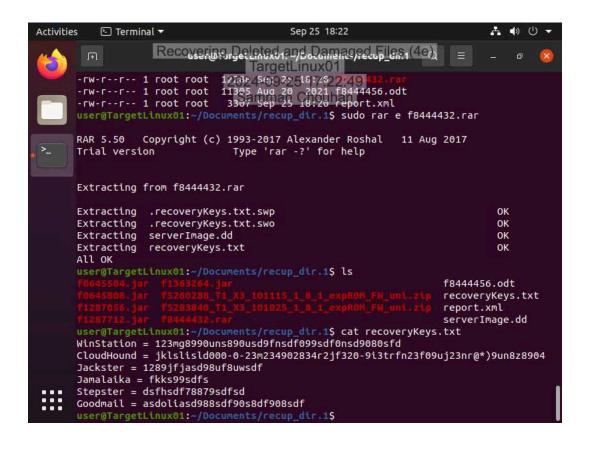
15. Make a screen capture showing the failed mount attempt on the /dev/sdb2 device.



32. Make a screen capture showing the compressed files recovered by PhotoRec.



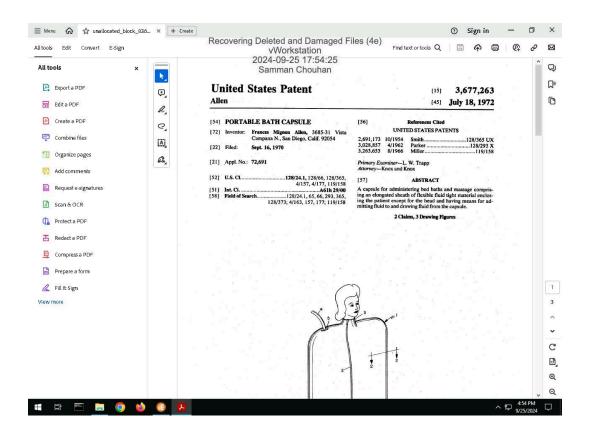
35. Make a screen capture showing the backup files recovered from the RAR archive.



# **Section 3: Challenge and Analysis**

## Part 1: Recover Deleted Files from a FAT Drive Image

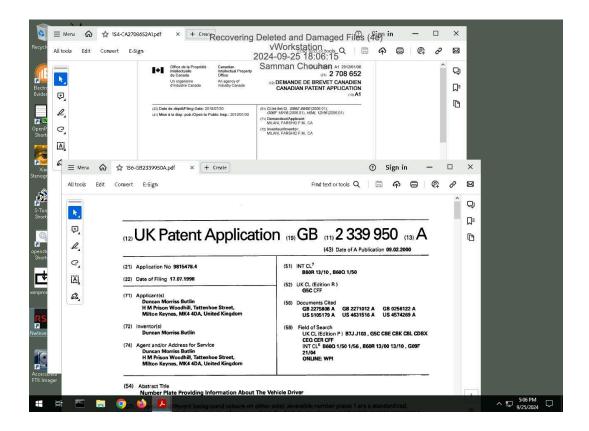
Make a screen capture showing the patent file recovered from the FAT32 drive image within E3.



the file was recovered from paraben's e3 under unallocated space items on unallocated block 36

Part 2: Recover Deleted Files from a APFS Drive Image

Make a screen capture showing the patent file recovered from the APFS drive image within Autopsy.



i found 2 files in the APFS drive, one for UK and another for canada