

FIGURE 1 (PRIOR ART)

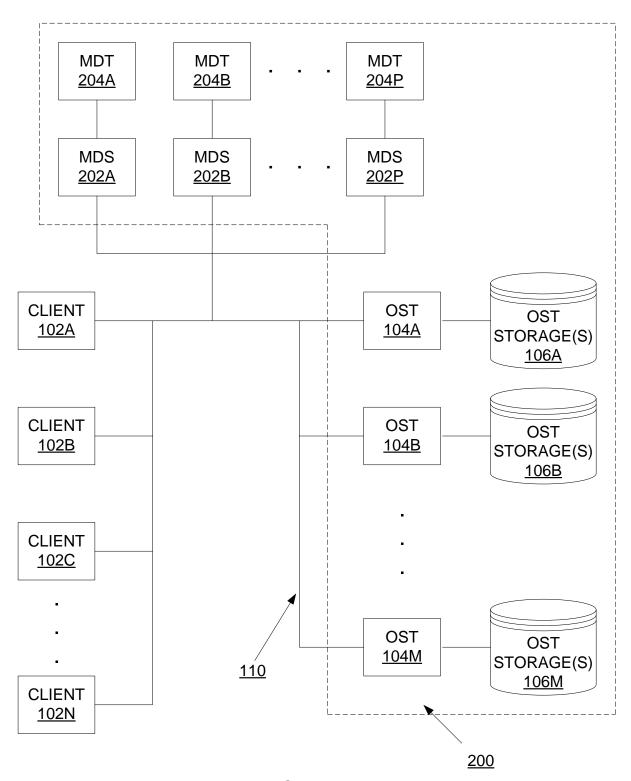


FIGURE 2

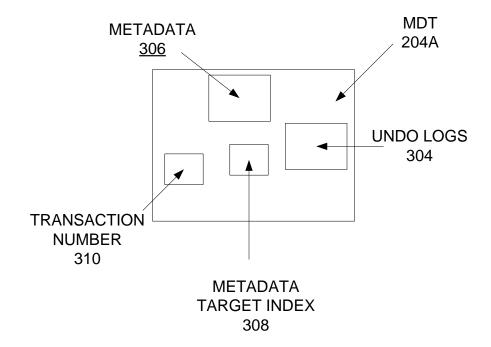
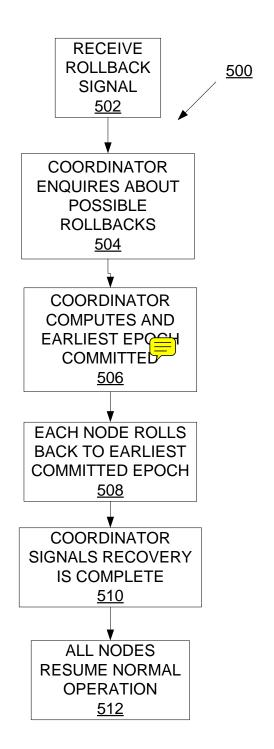
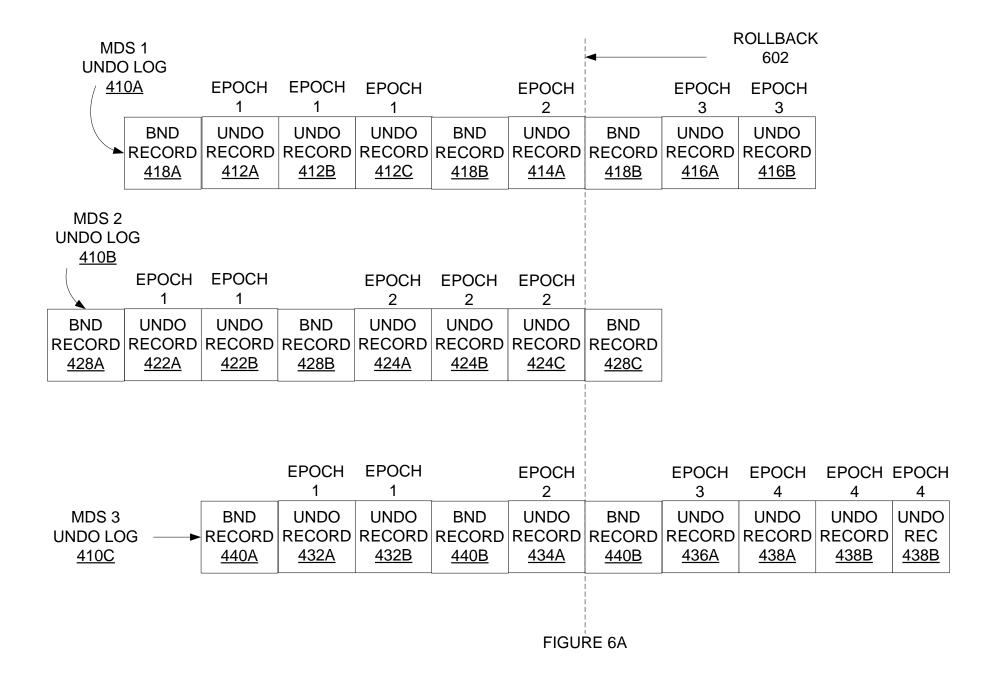
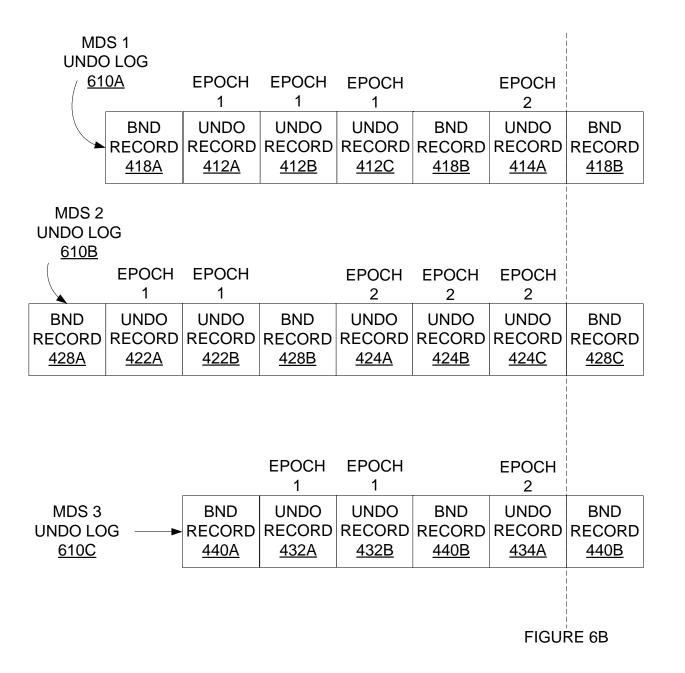


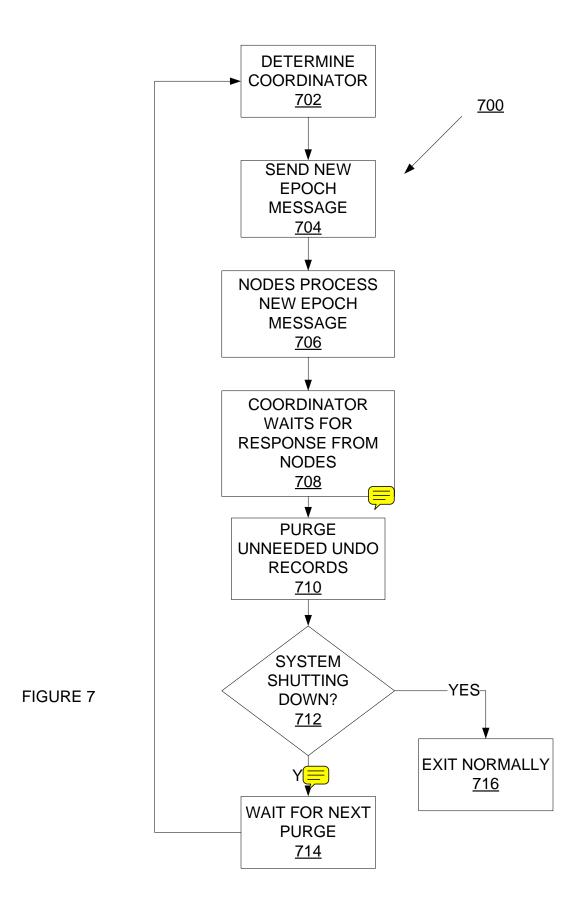
FIGURE 3

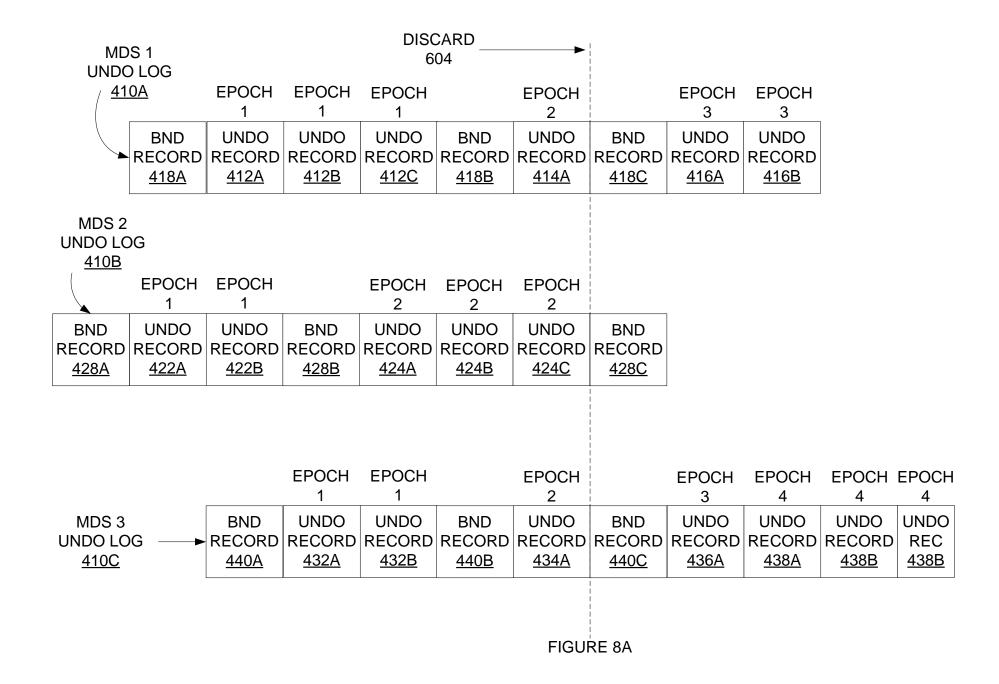
UNDO LOG F	416A	UNDO RECORD 412A	UNDO RECORD 412B	UNDO RECORD 412C	BND RECORD 416B	EPOCH 2 UNDO RECORD 414A	BND RECORD 416C	UNDO RECORD 416A	UNDO RECORD 416B	
MDS 2 UNDO LOG 410B	BND RECORD 426A	EPOCH 1 UNDO RECORD 422A	EPOCH 1 UNDO RECORD 422B	BND RECORD 426B	EPOCH 2 UNDO RECORD 424A	2 UNDO	EPOCH 2 UNDO RECORD 424C	BND RECORD 426C		
MDS 3	BND	EPOCH 1 UNDO	EPOCH 1 UNDO	EPOCH 2 BND	UNDO	BND	EPOCH 3 UNDO	EPOCH 4 UNDO	EPOCH 4 UNDO	EPOCH 4 UNDO
			RECORD 432B			RECORD 440C		RECORD 438A		











	 	EPOCH 3	EPOCH 3		
MDS 1 UNDO LOG <u>810A</u>	BND RECORD 418C	UNDO RECORD <u>416A</u>	UNDO RECORD <u>416B</u>		
MD0 0	DND				
MDS 2 UNDO LOG <u>810B</u>	BND RECORD <u>428C</u>				
	 	EPOCH 3	EPOCH 4	EPOCH 4	EPOCH 4
MDS 3 UNDO LOG <u>810C</u>	BND RECORD <u>440C</u>	UNDO RECORD <u>436A</u>	UNDO RECORD <u>438A</u>	UNDO RECORD <u>438B</u>	UNDO REC <u>438B</u>
		<u> </u>			

FIGURE 8B

CLUSTER MANAGEMENT MODULE 900

> COORDINATION SELECTION MODULE 902

ROLLBACK MODULE 904

EPOCH UPDATE MODULE 906 CONTROL HANDLER MODULE 908

LOG WRITING MODULE 910 LOG MANAGEMENT MODULE 912

LOG UNDO MODULE 914

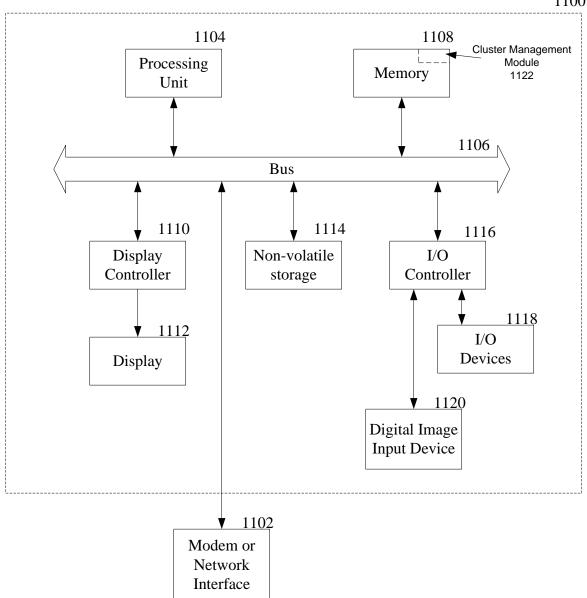


Figure 10