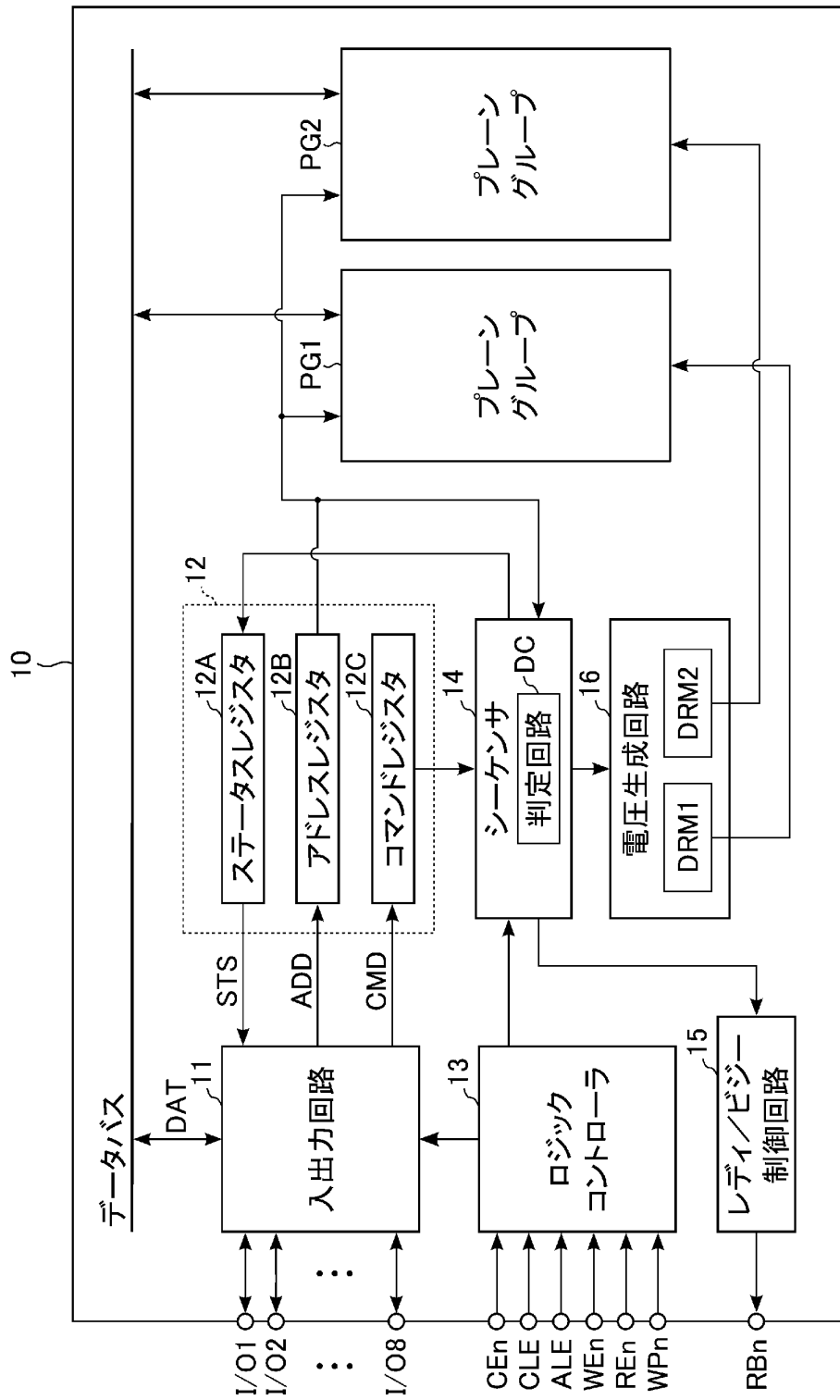
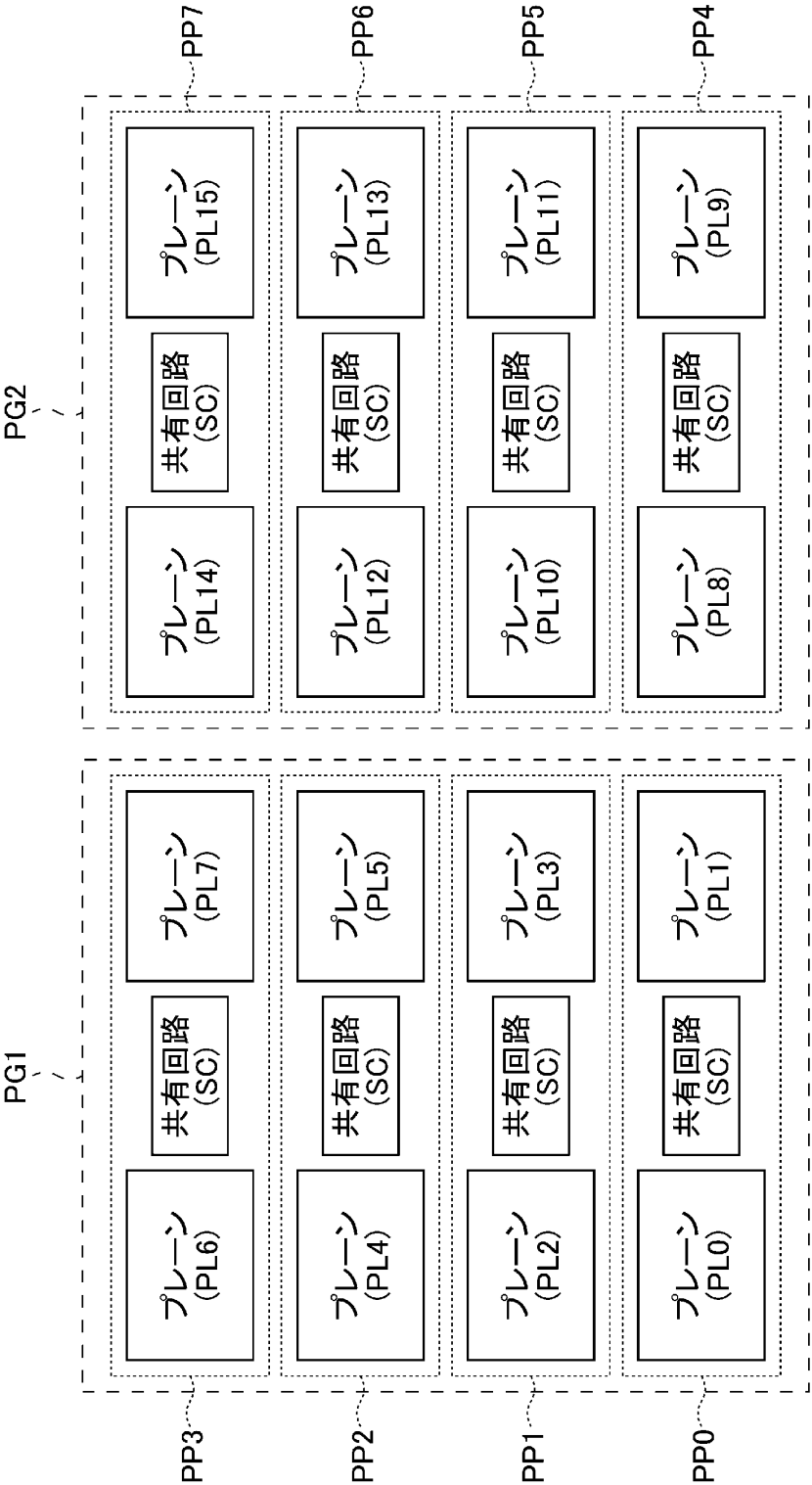


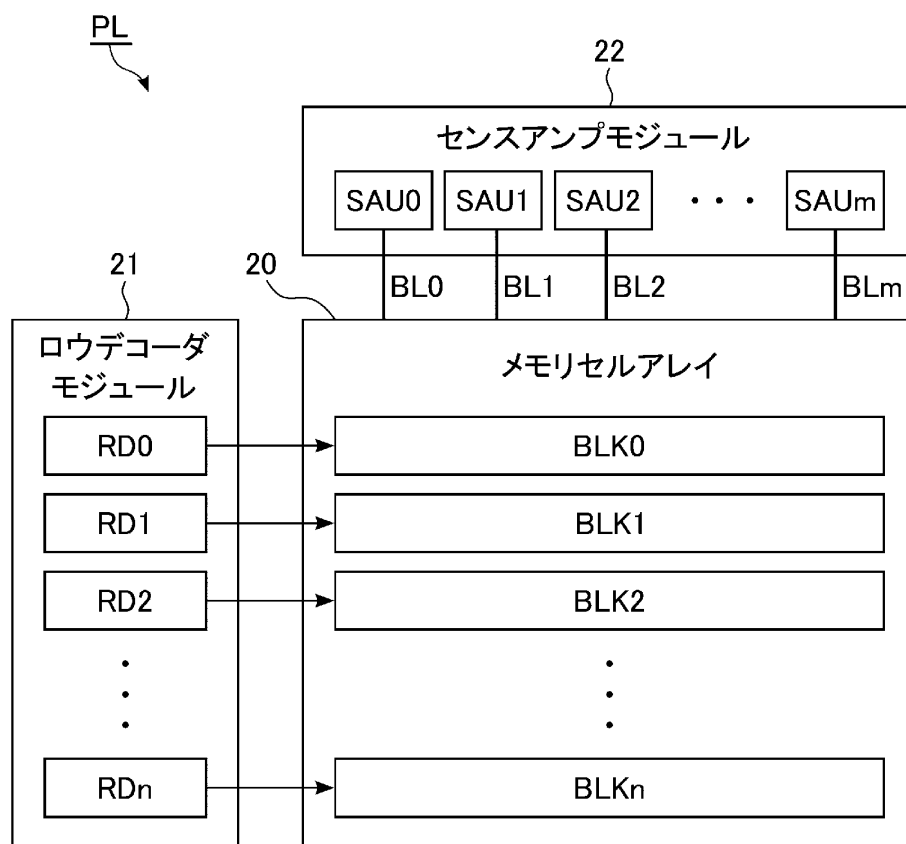
[図1]



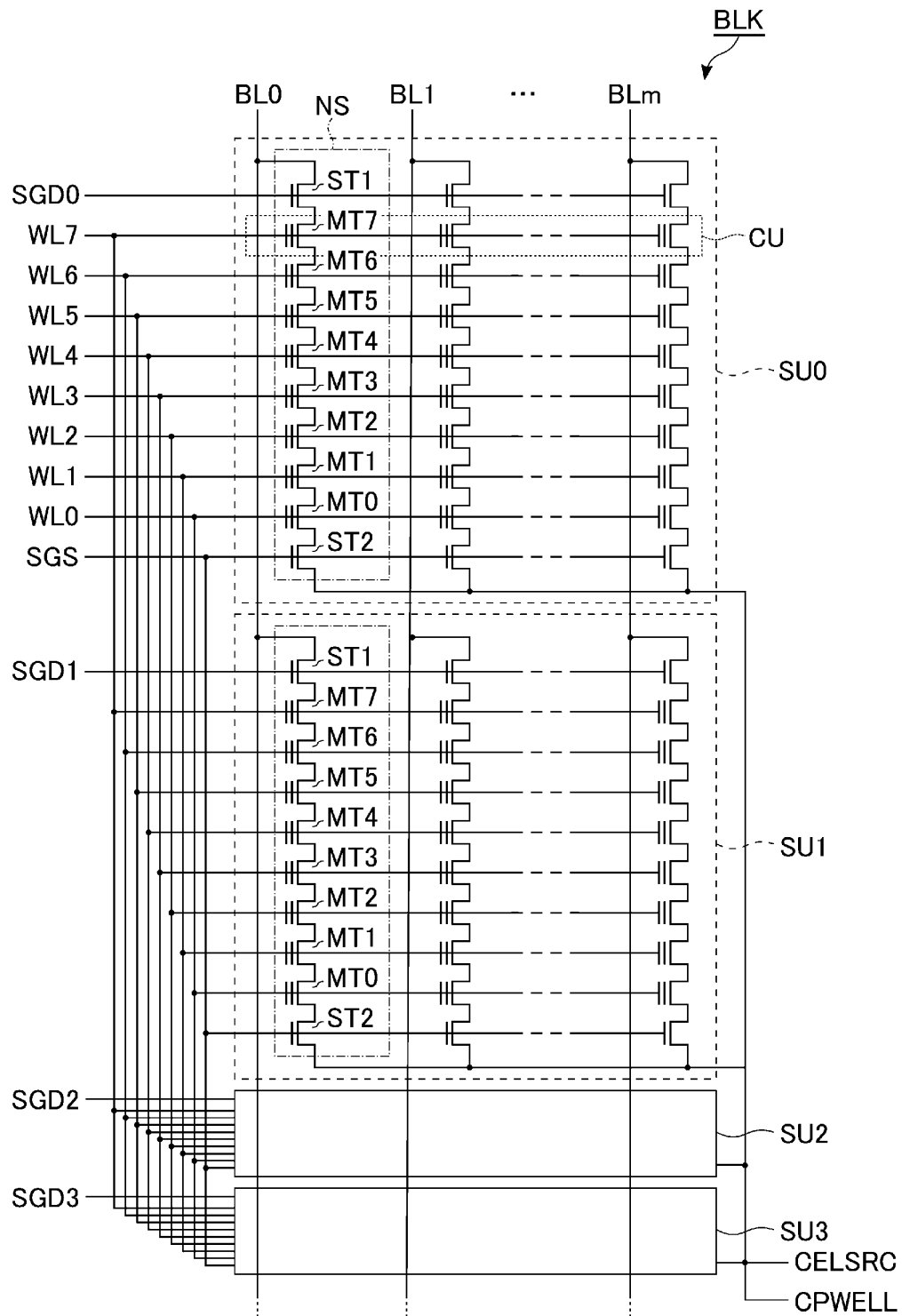
【図2】



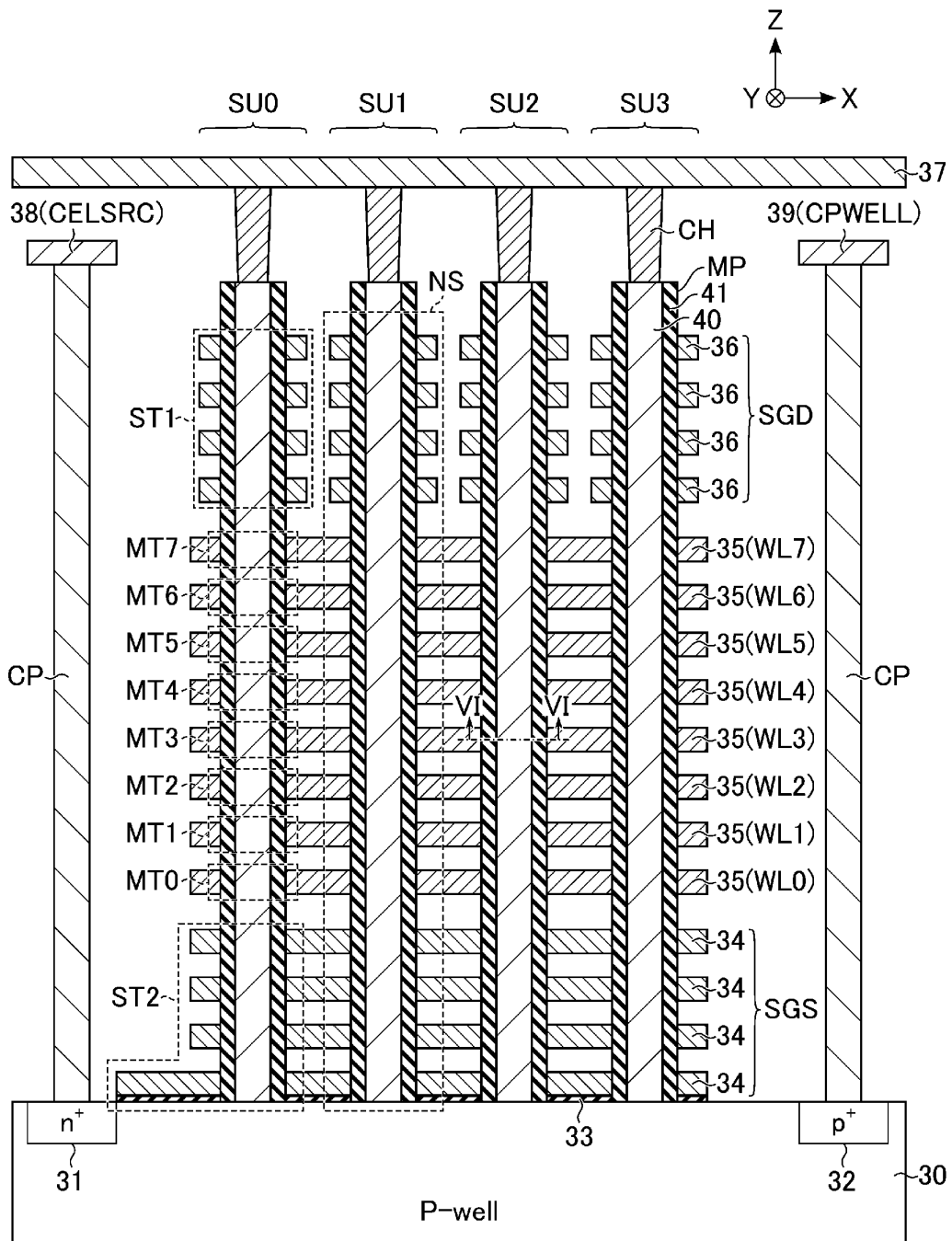
[図3]



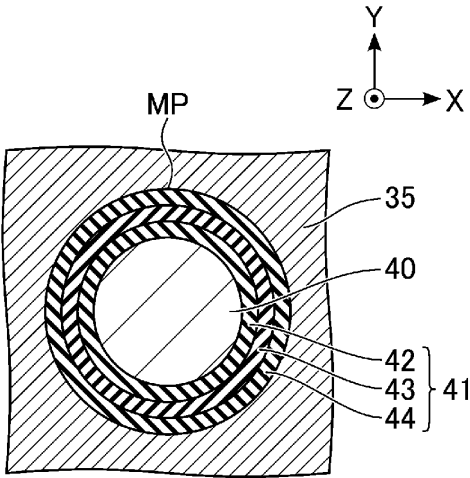
[図4]



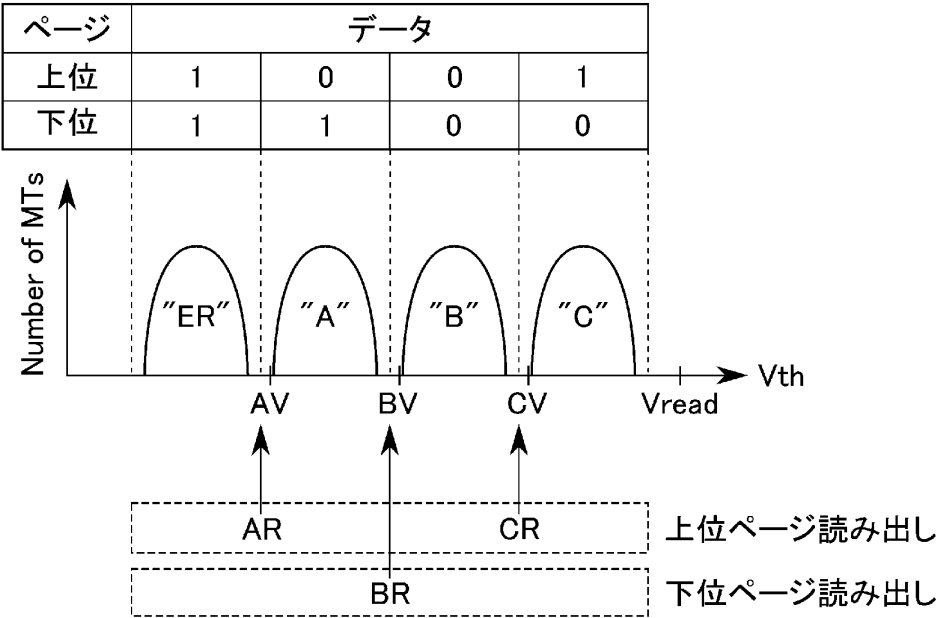
[図5]



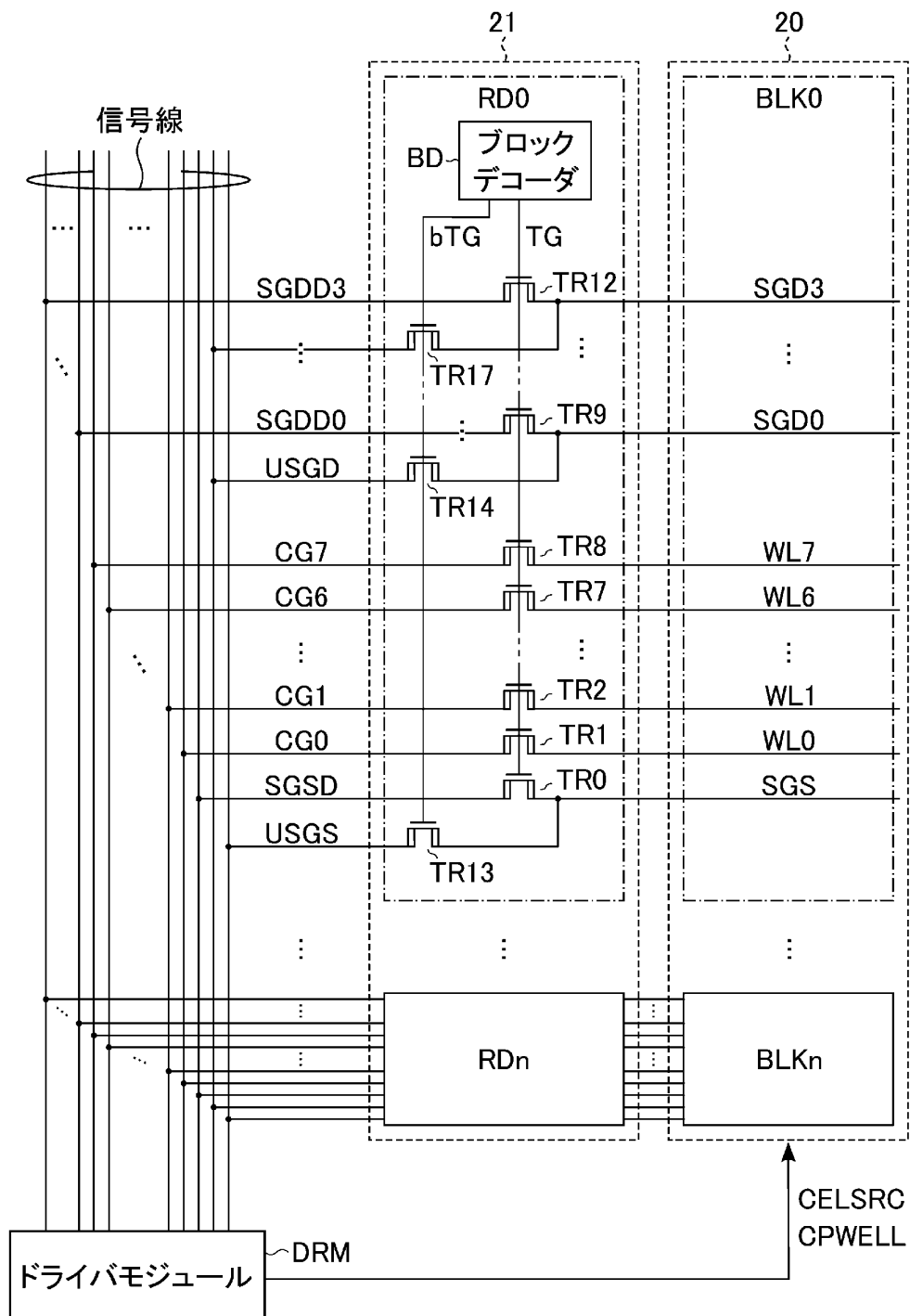
[図6]



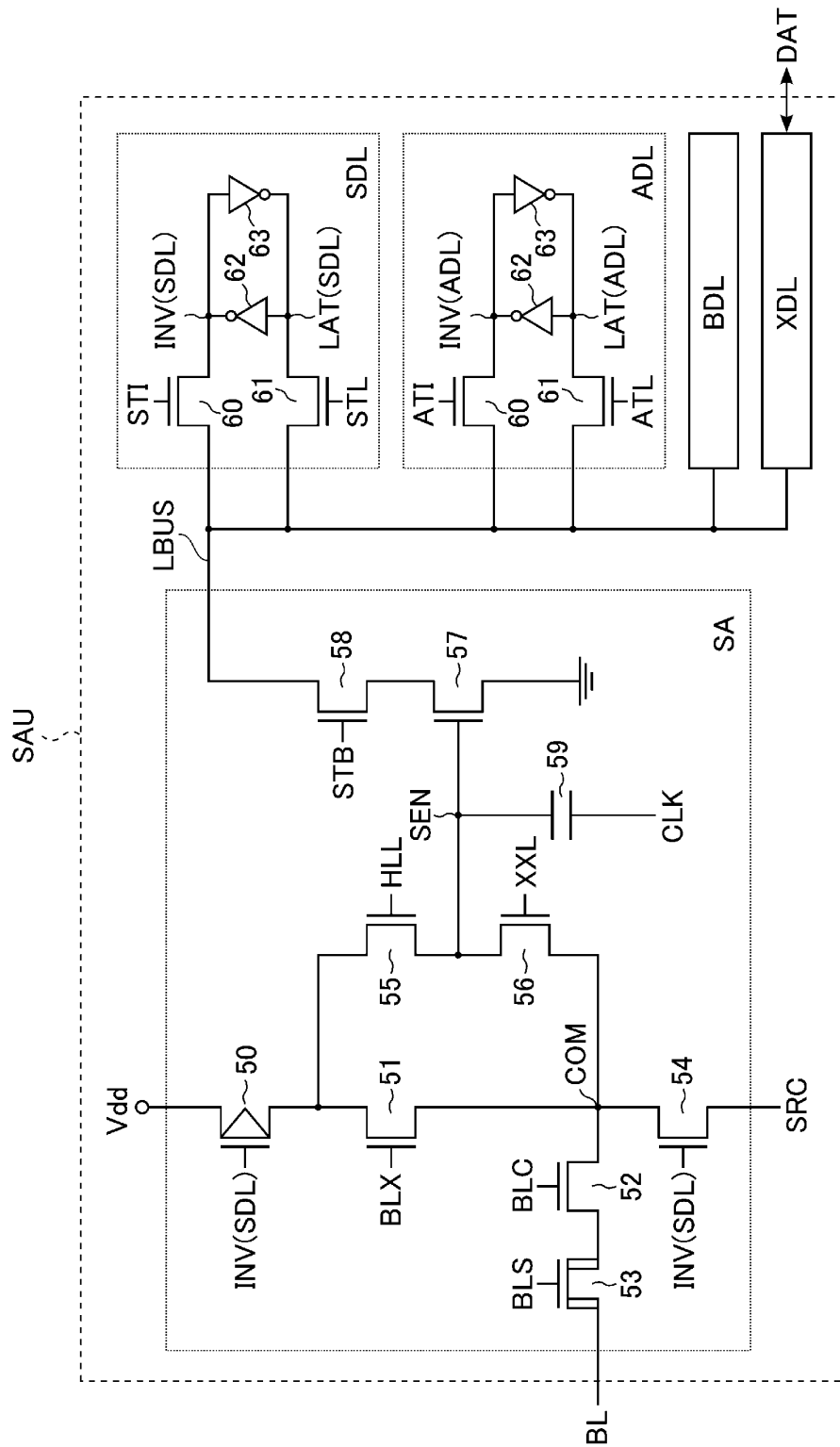
[図7]



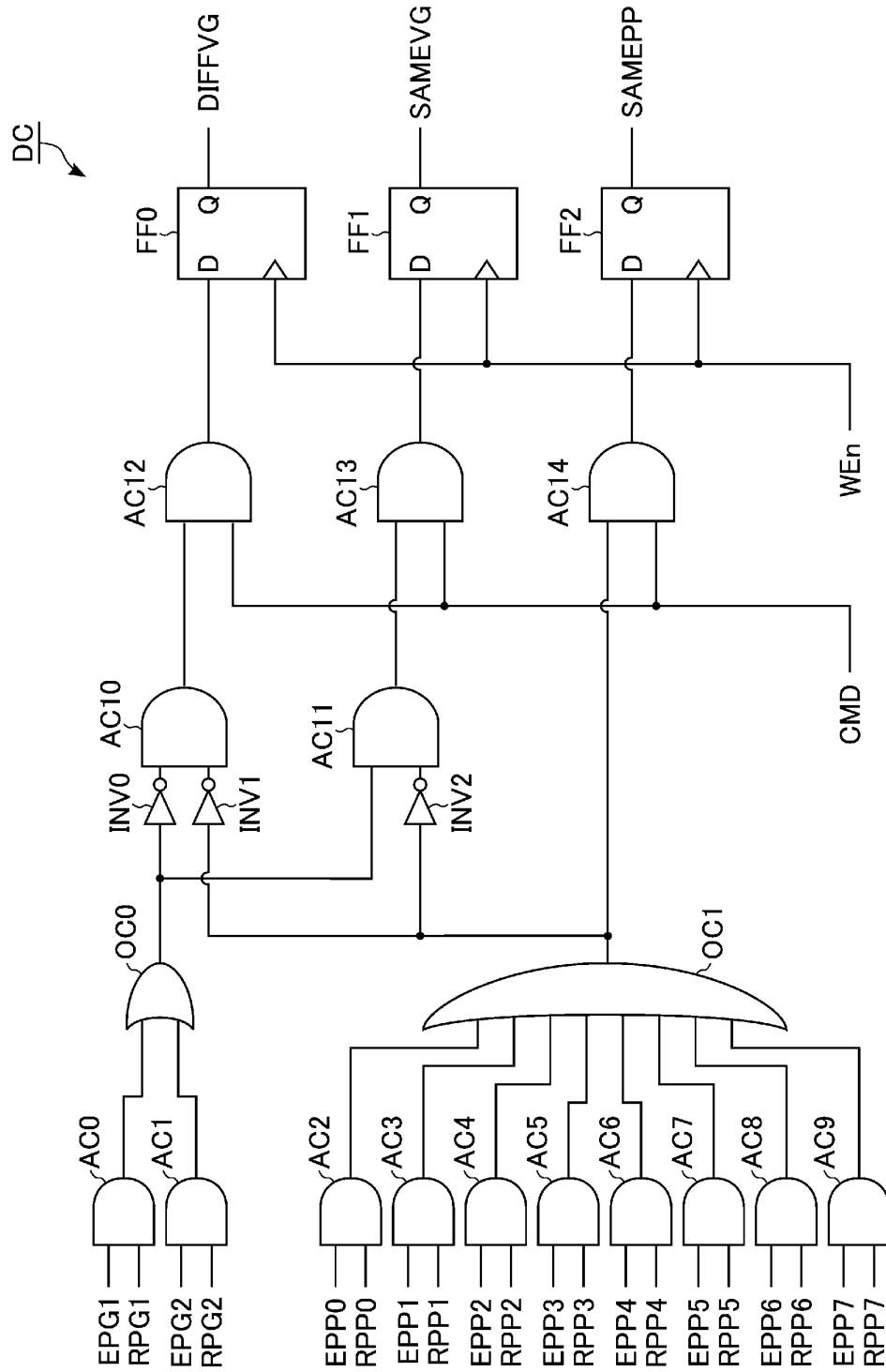
[図8]



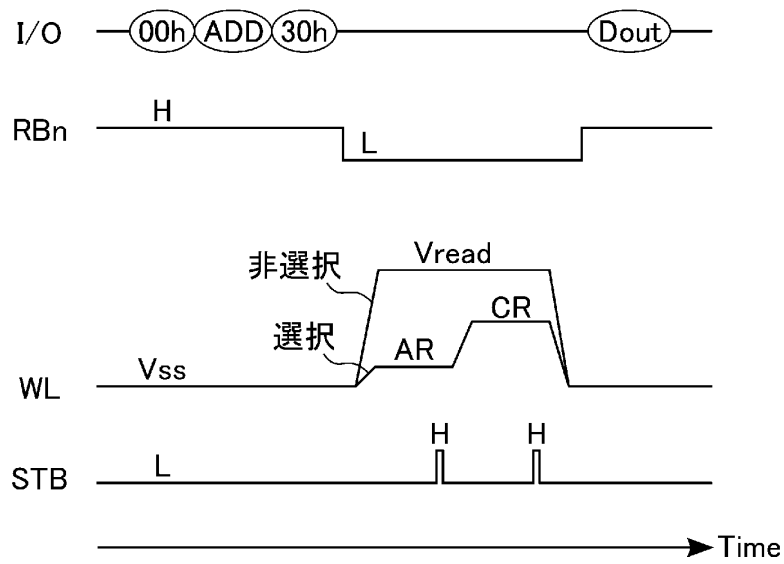
[図9]



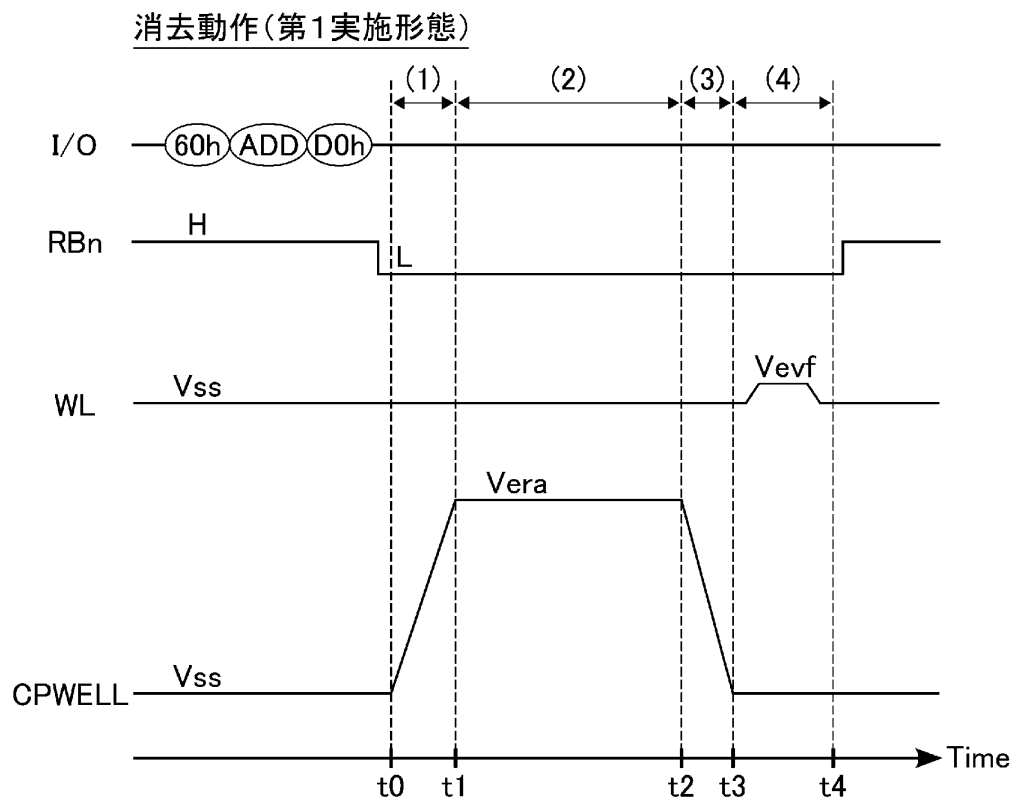
[図10]



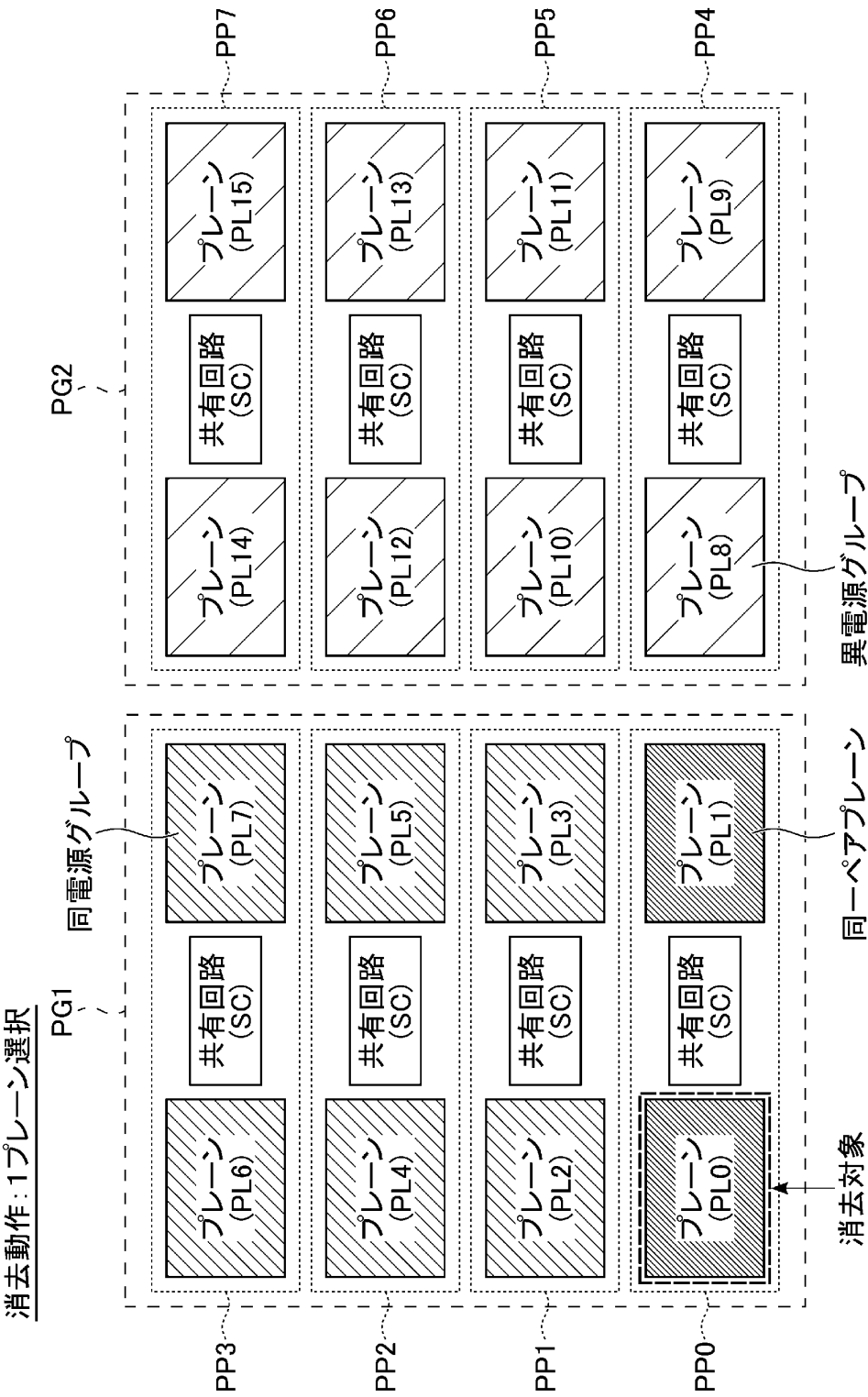
[図11]

読み出し動作(上位ページ)

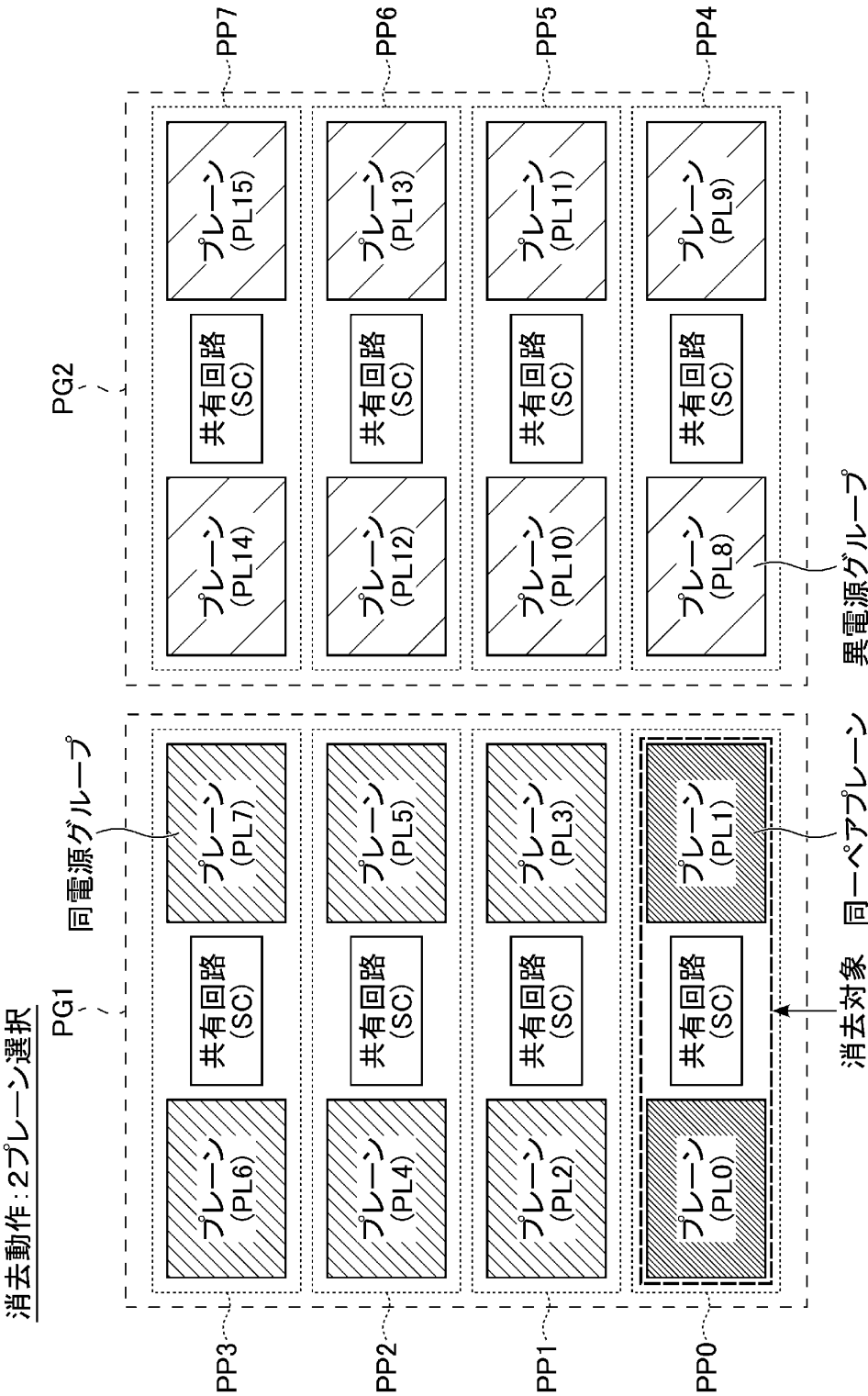
[図12]



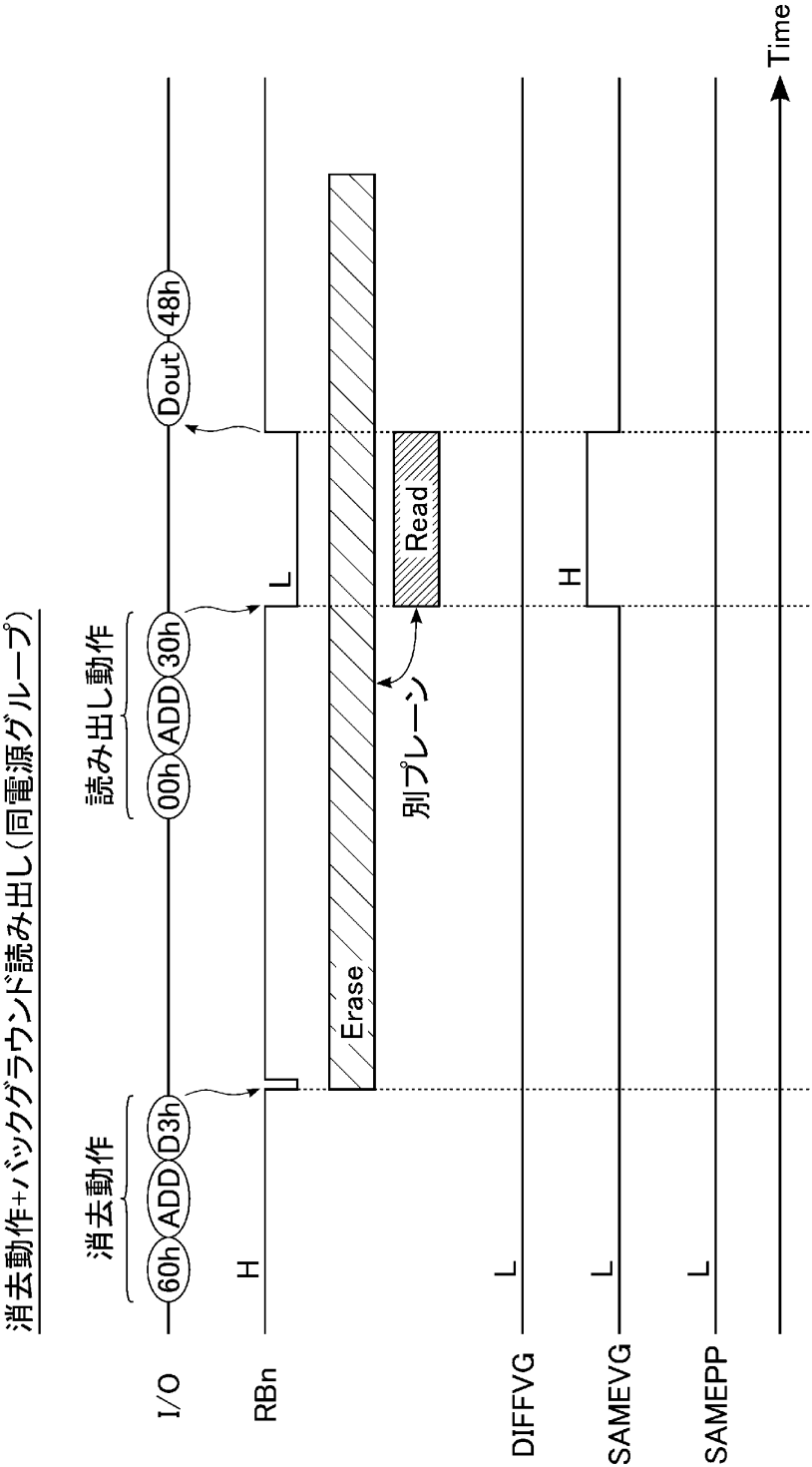
[図13]



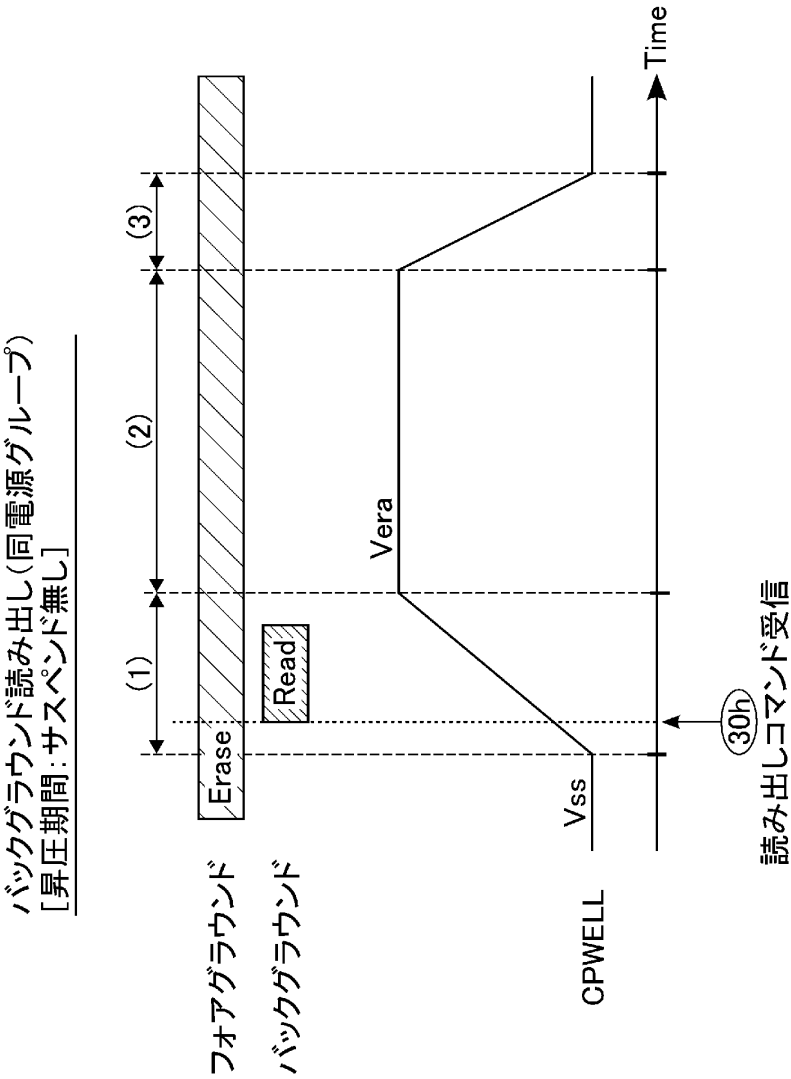
[図14]



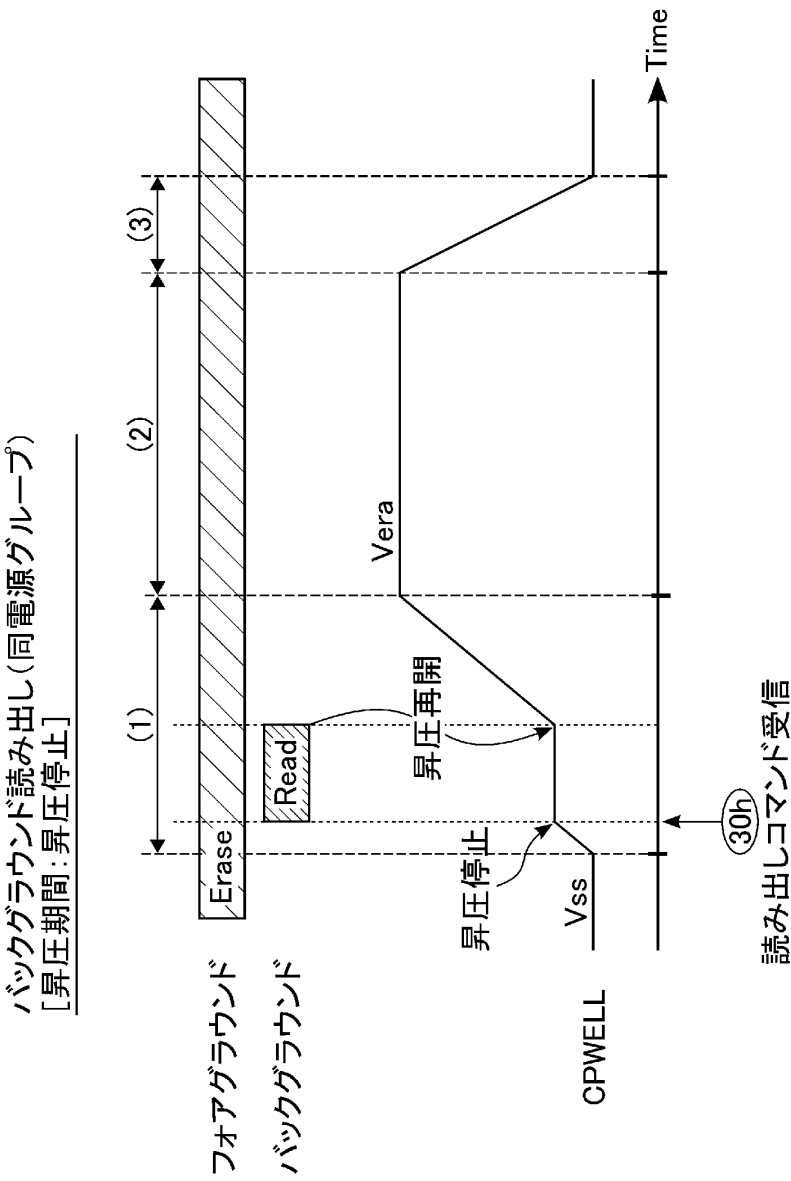
[図16]



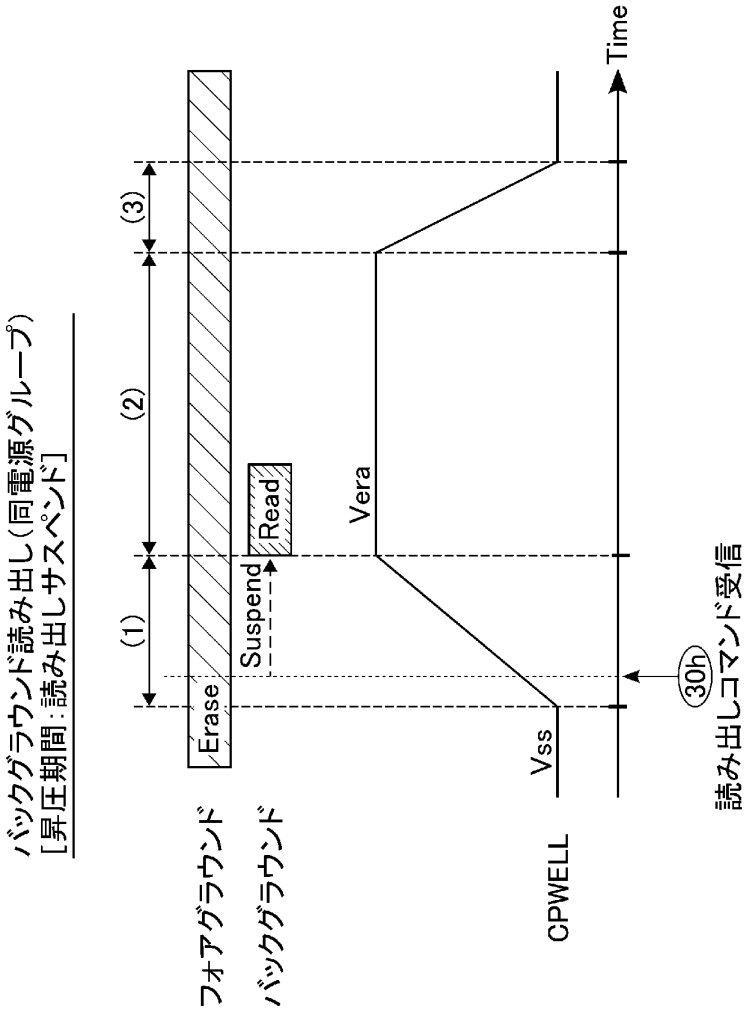
[図17]



[図18]

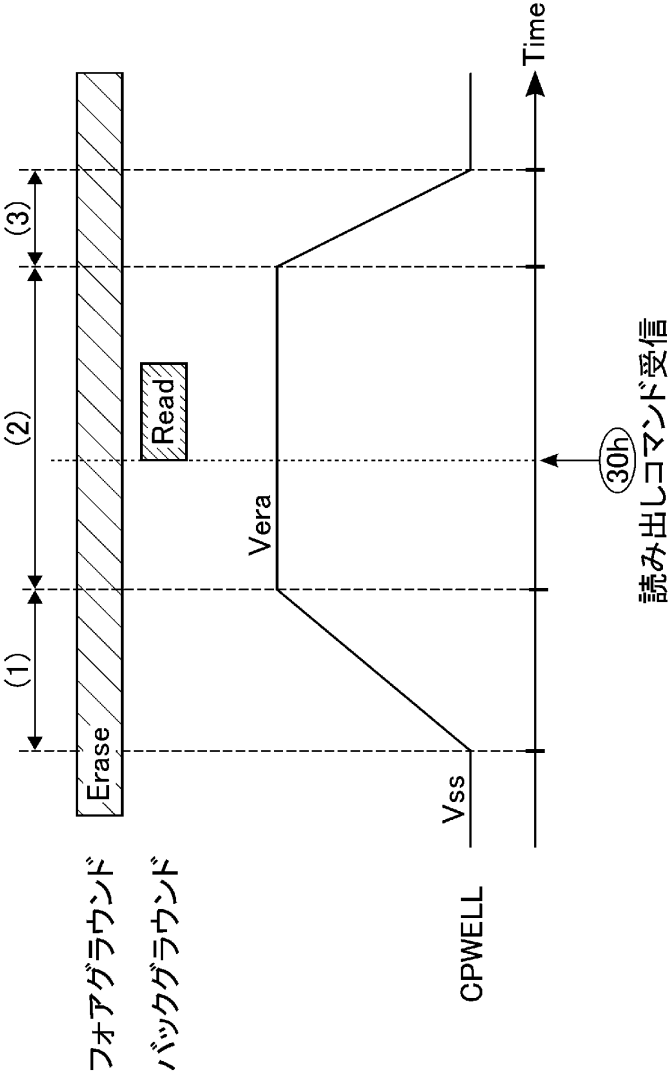


[図19]

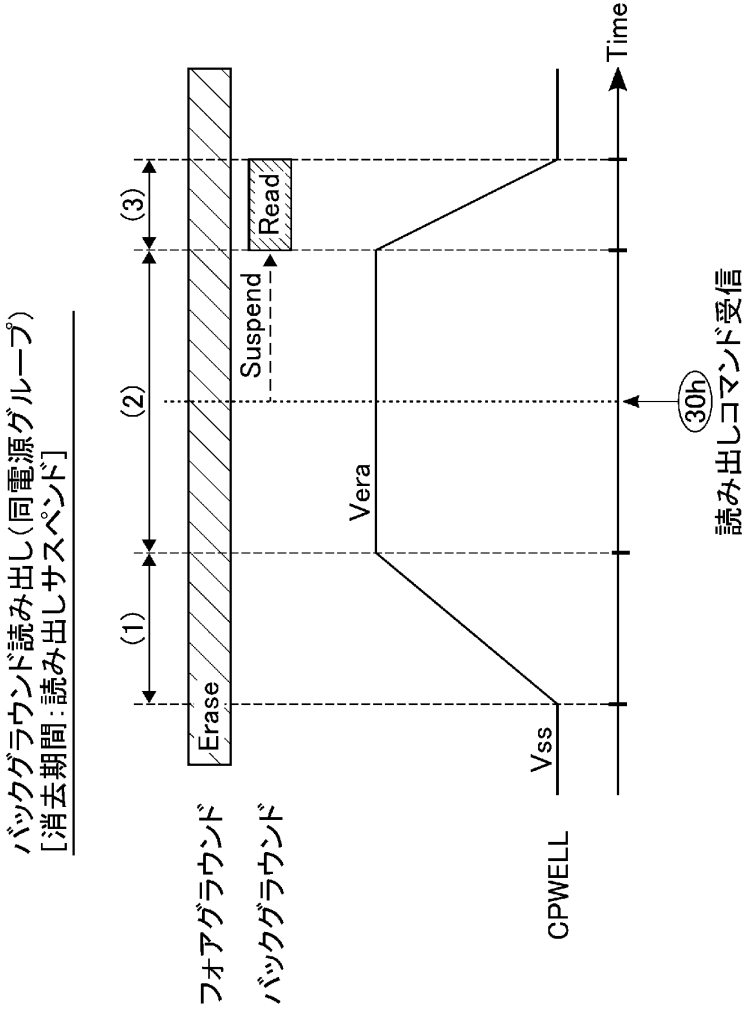


[図20]

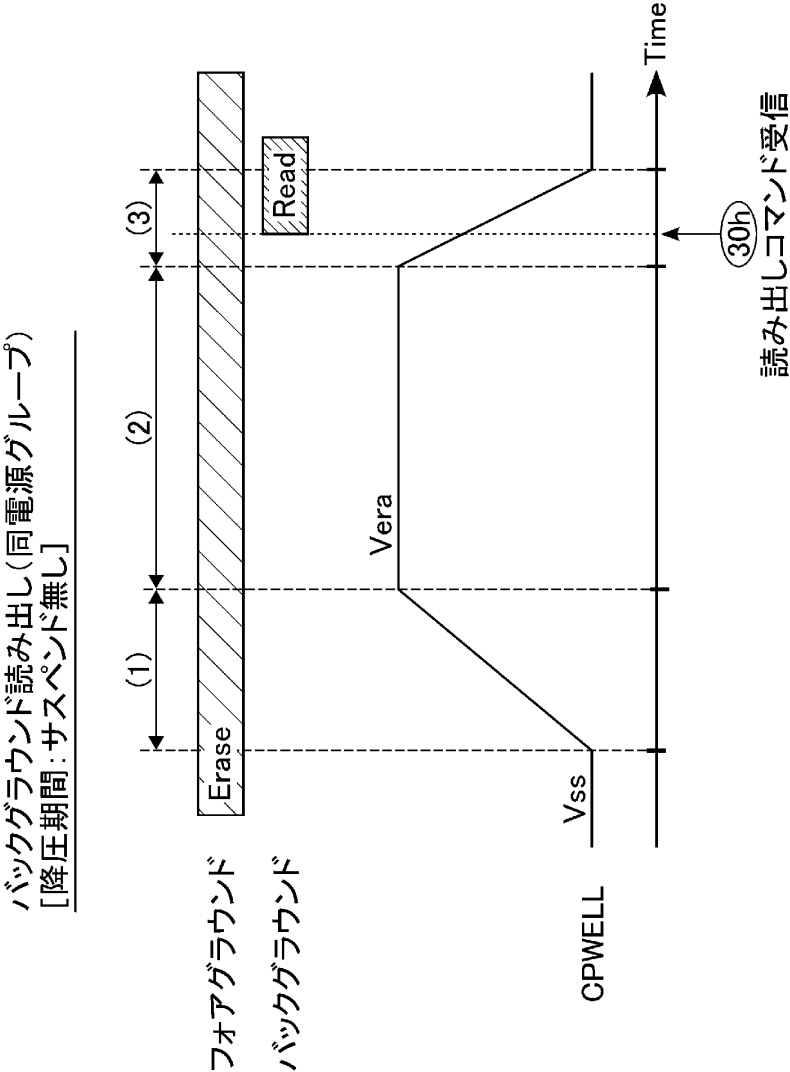
バックグラウンド読み出し(同電源グループ)
[消去期間: サスペンド無し]



[図21]

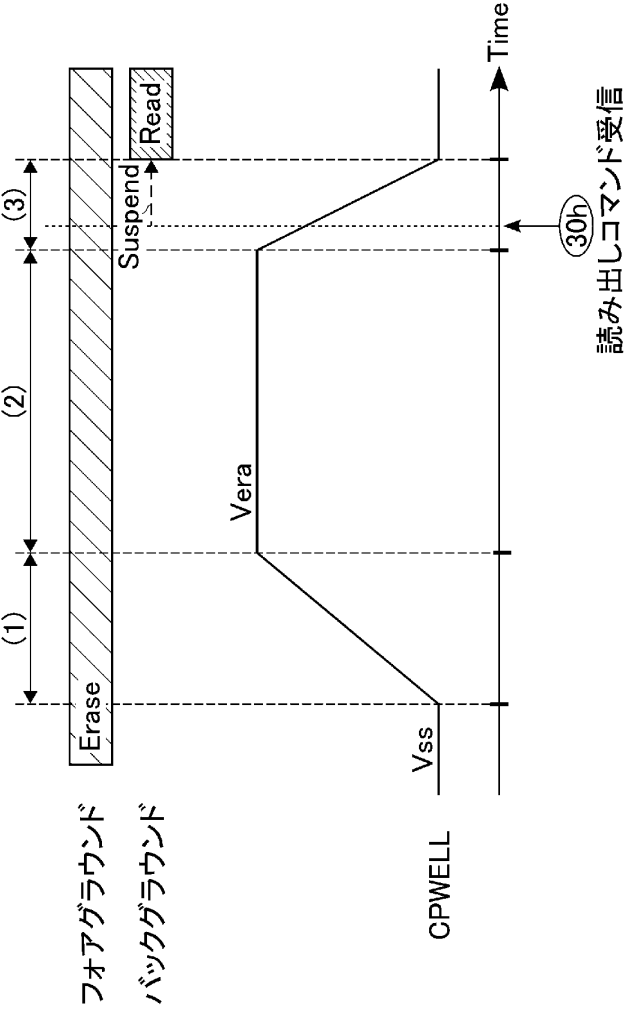


[図22]

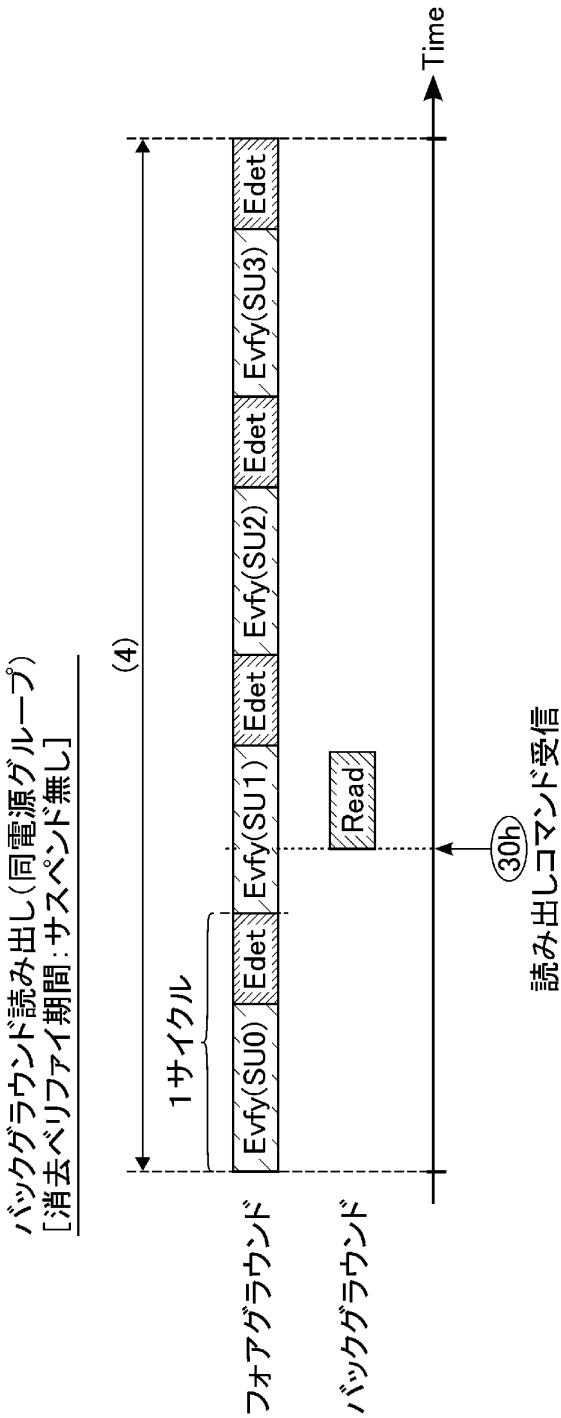


[図23]

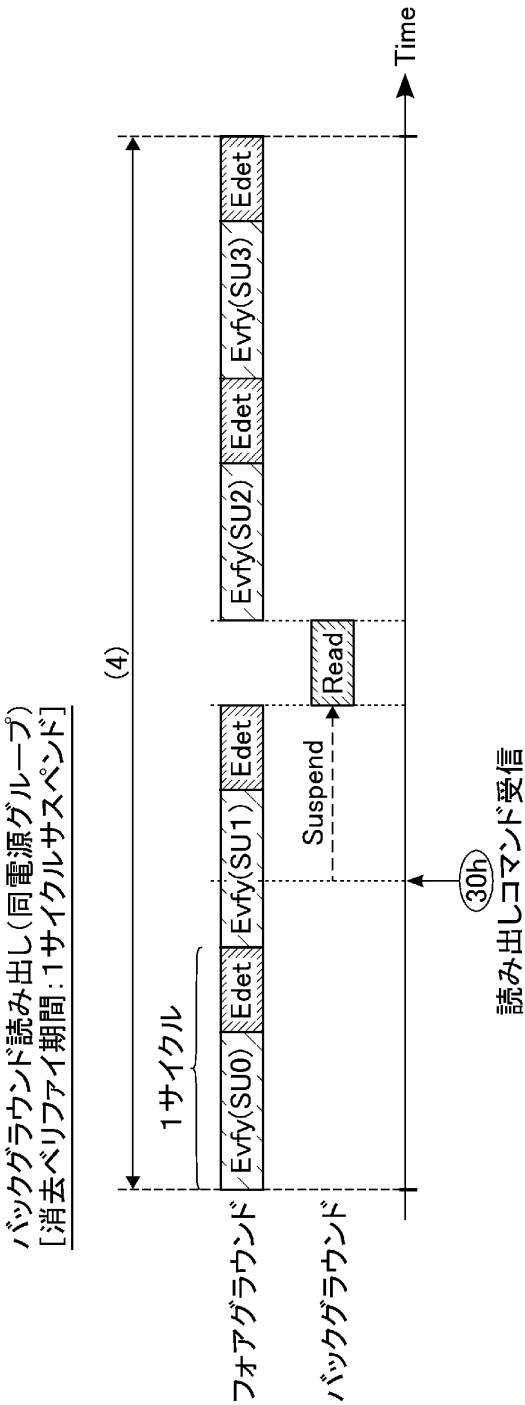
バックグラウンド読み出し(同電源グループ)
[降圧期間:読み出しサスペンド]



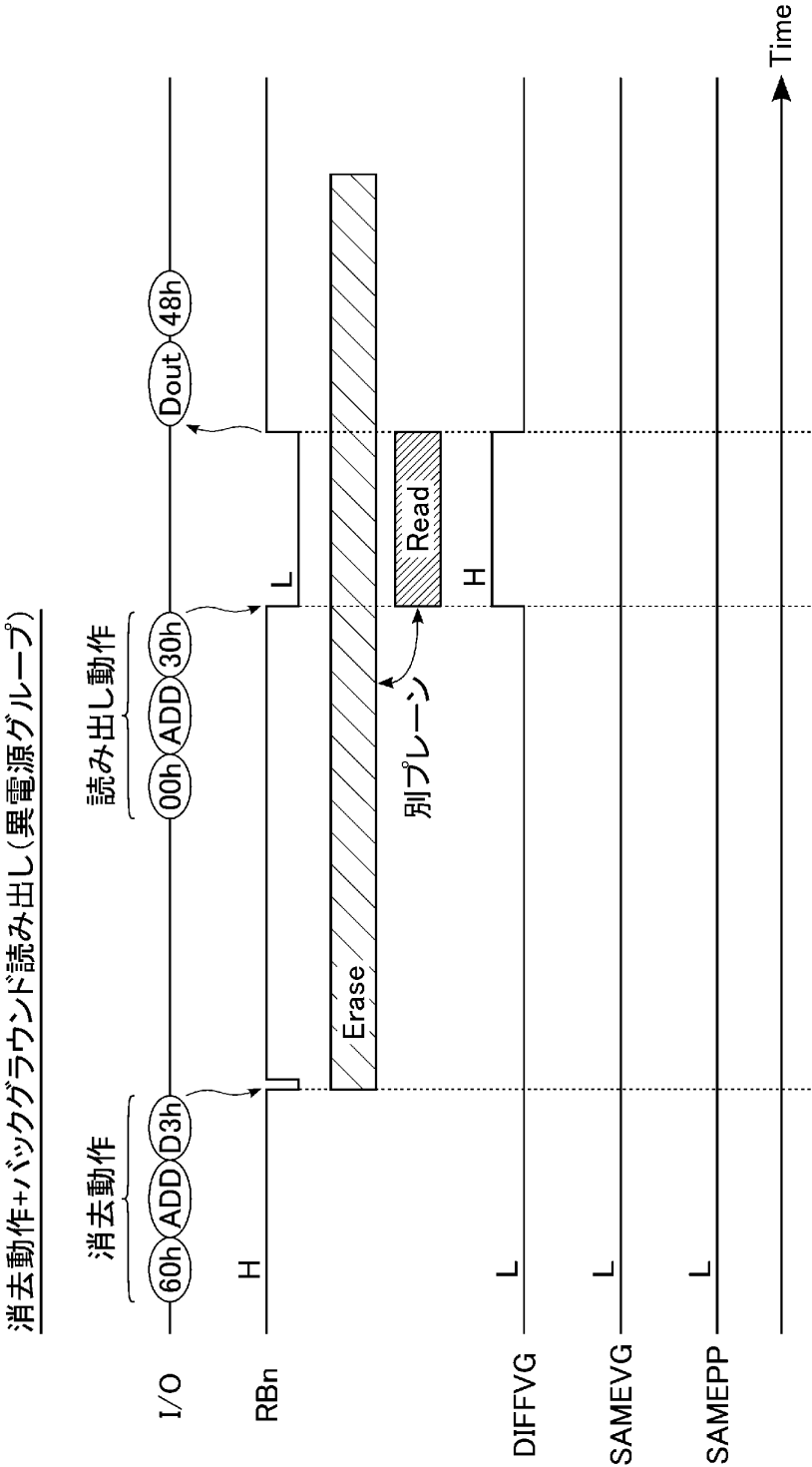
[図24]



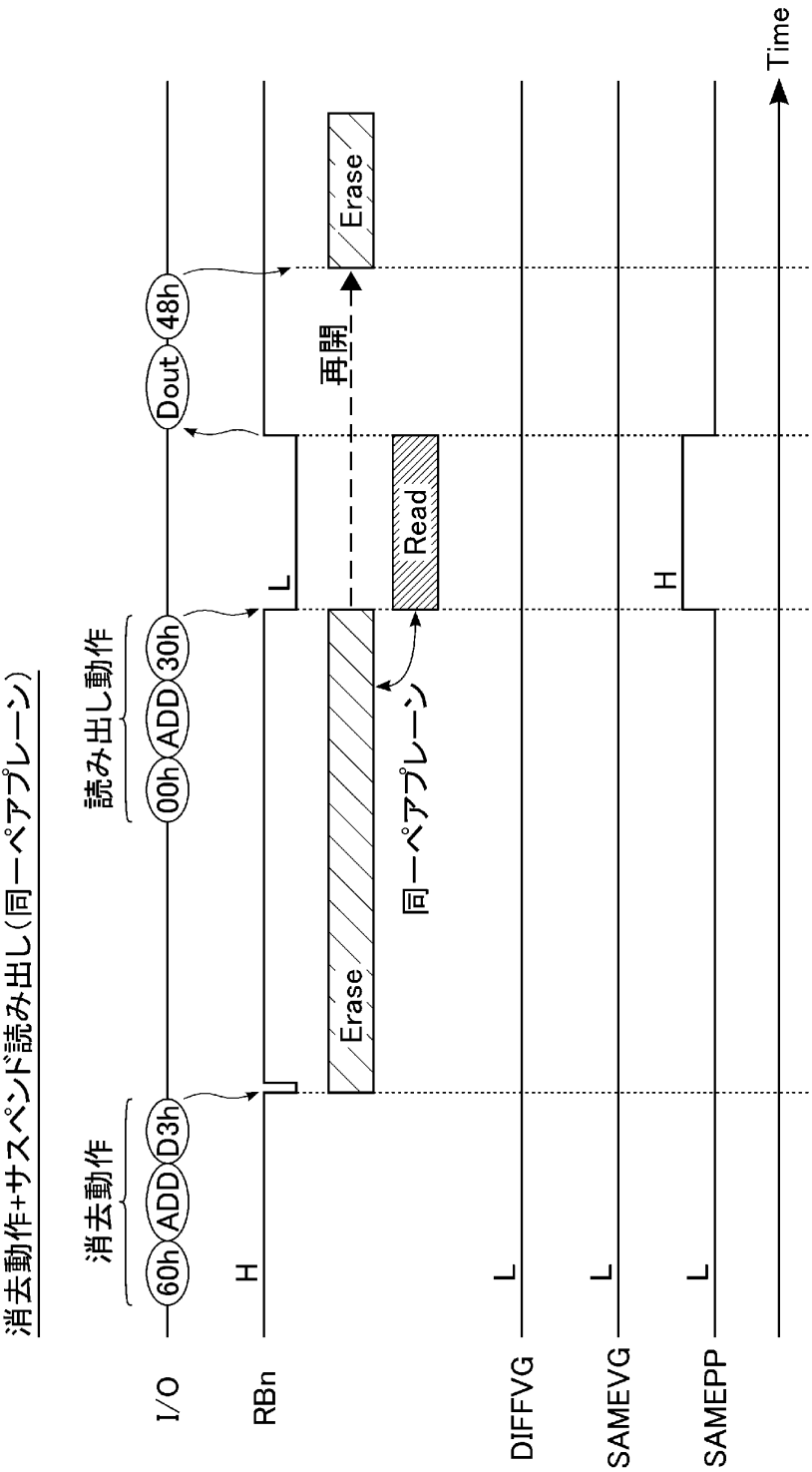
[図25]



[図26]

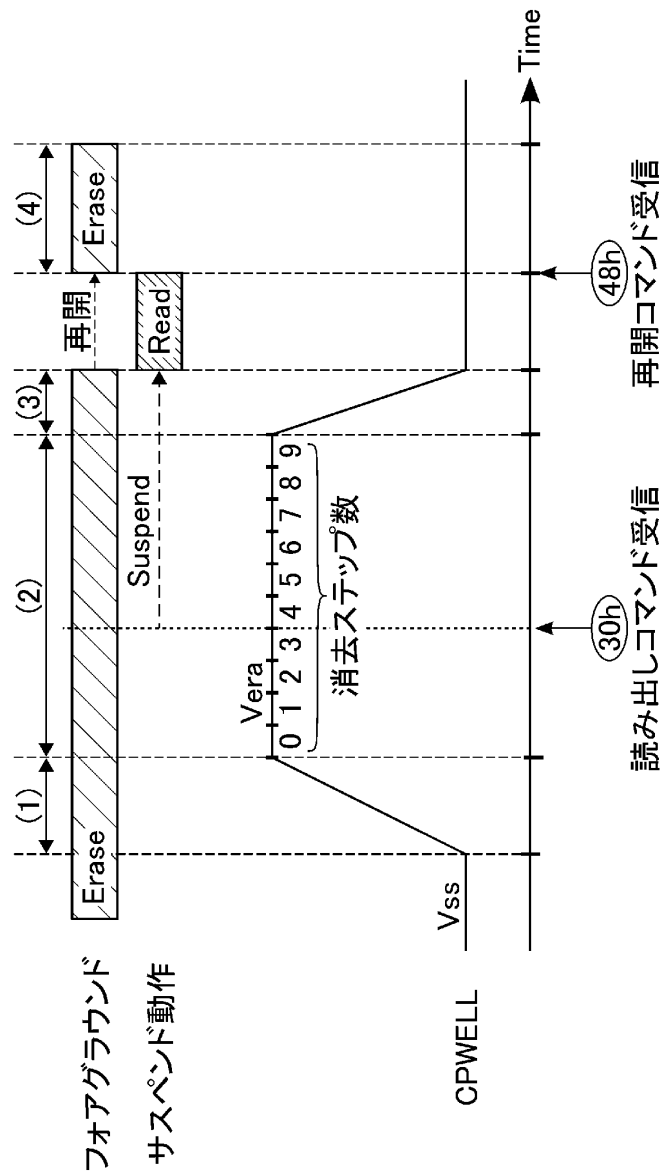


[図27]

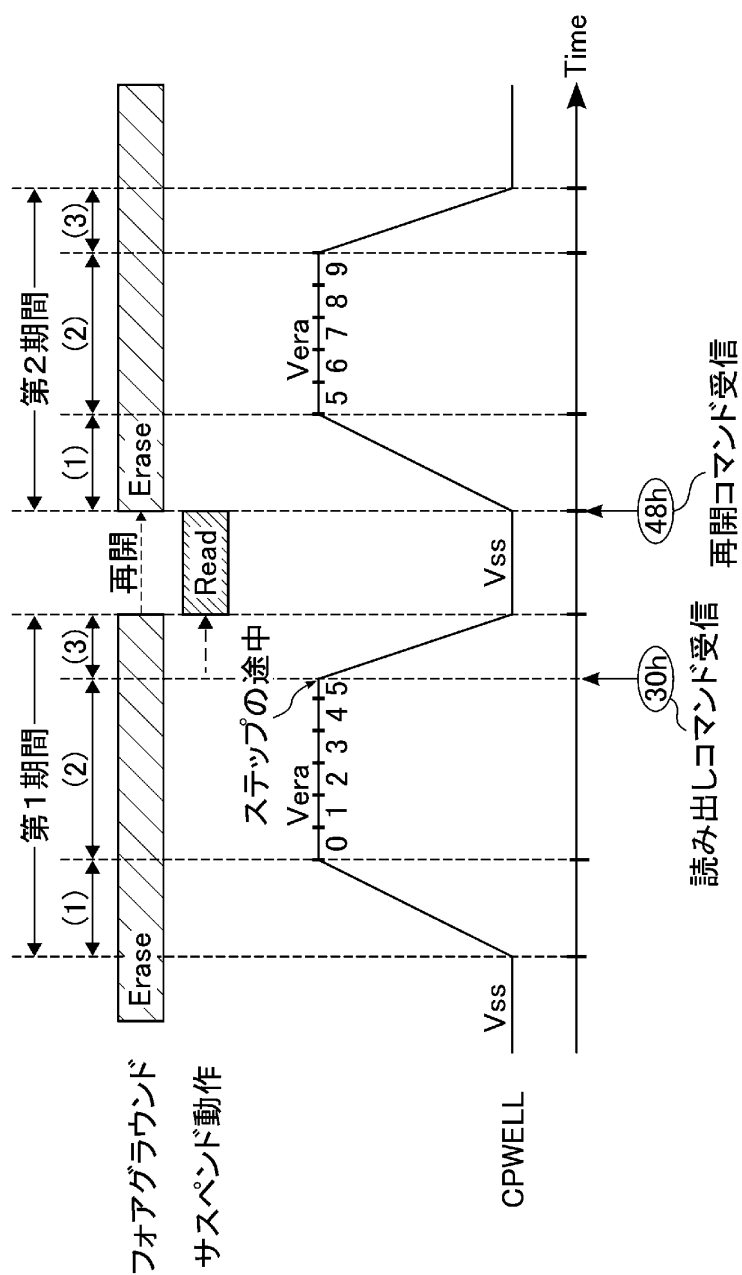


[図28]

サスペンド読み出し(同一ペアプレーン)
[消去期間: 巻き戻し無し]

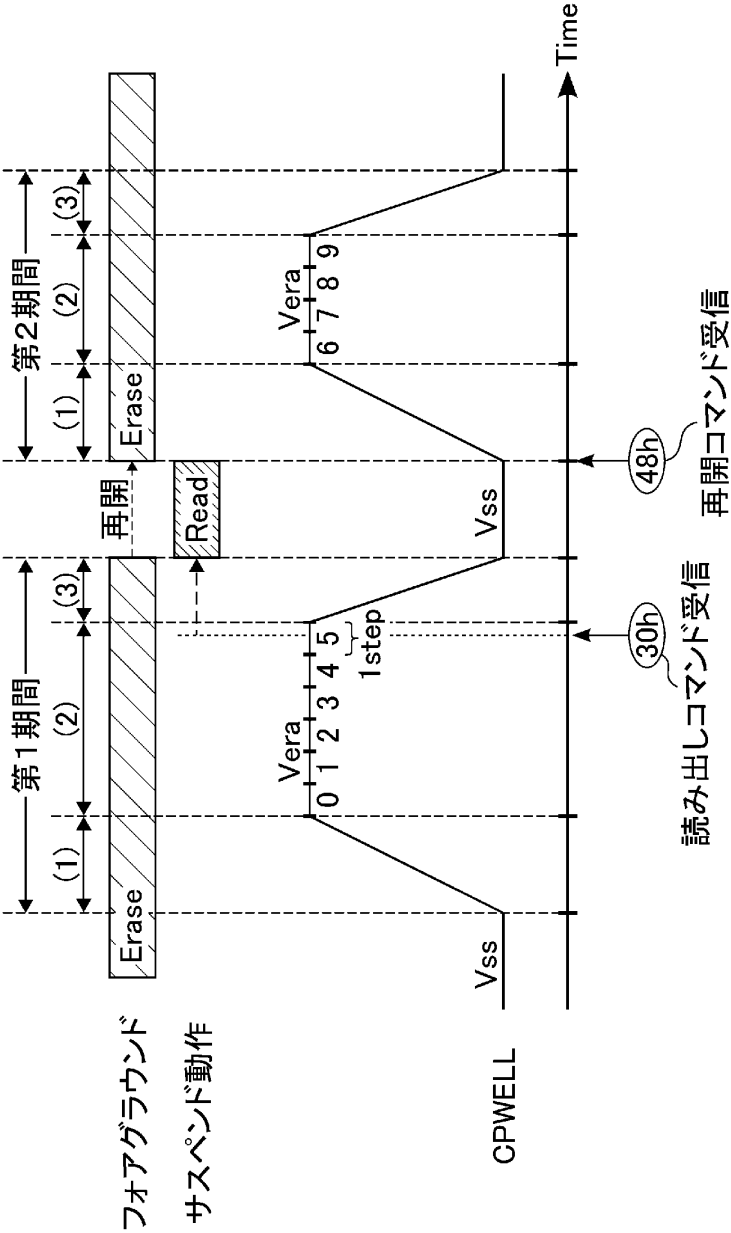


サスペンド読み出し(同ーペアプレーン)
[消去期間:すぐに止める]



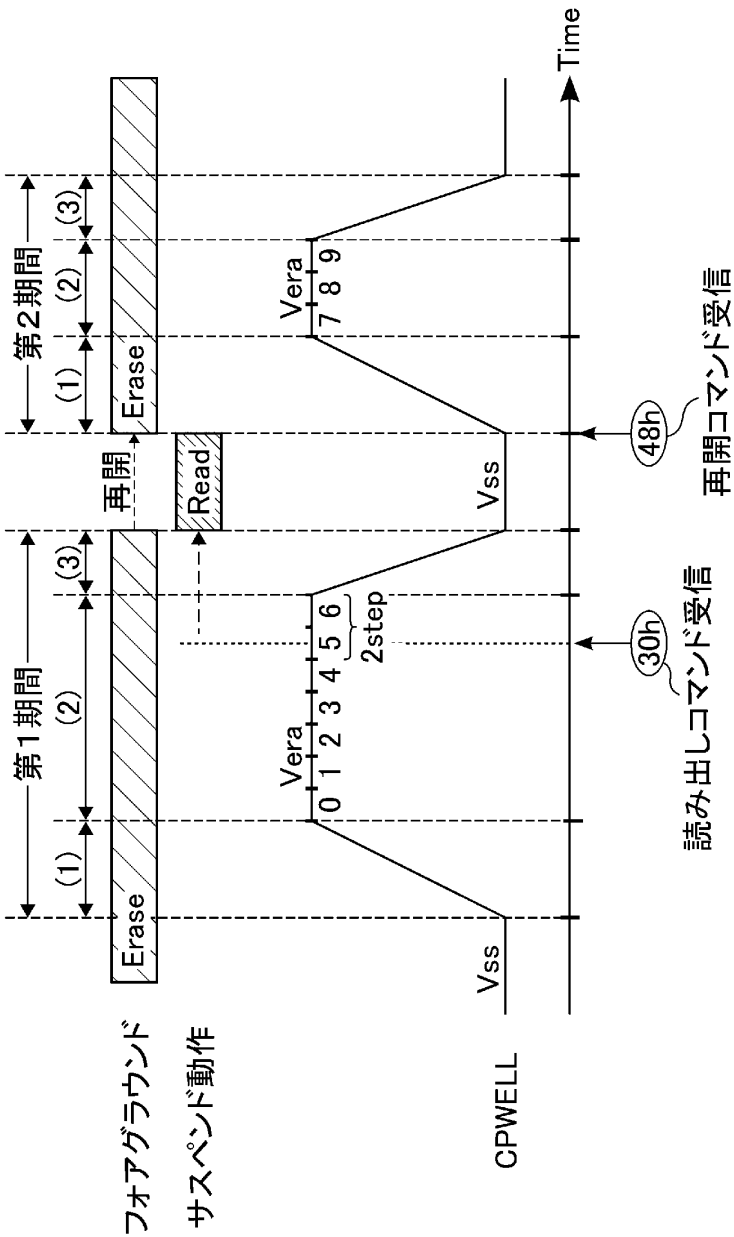
[図30]

サスペンド読み出し(同一ページプレーン)
[消去期間: 1ステップサスペンド]

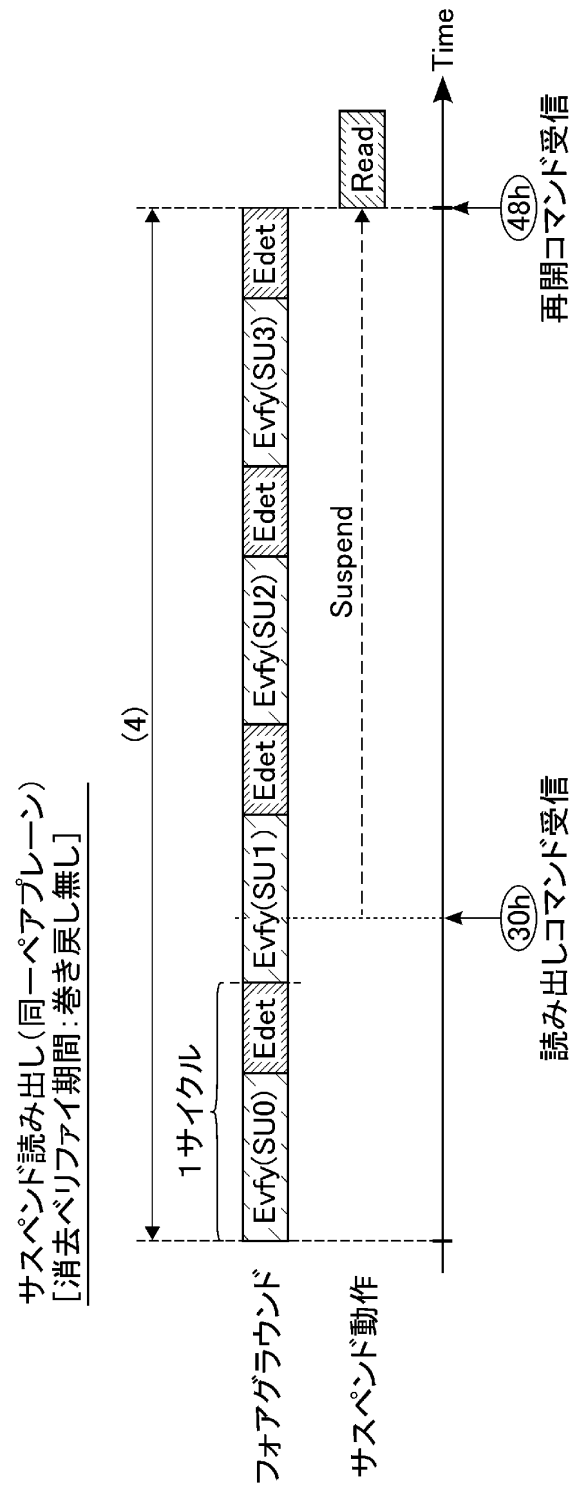


[図31]

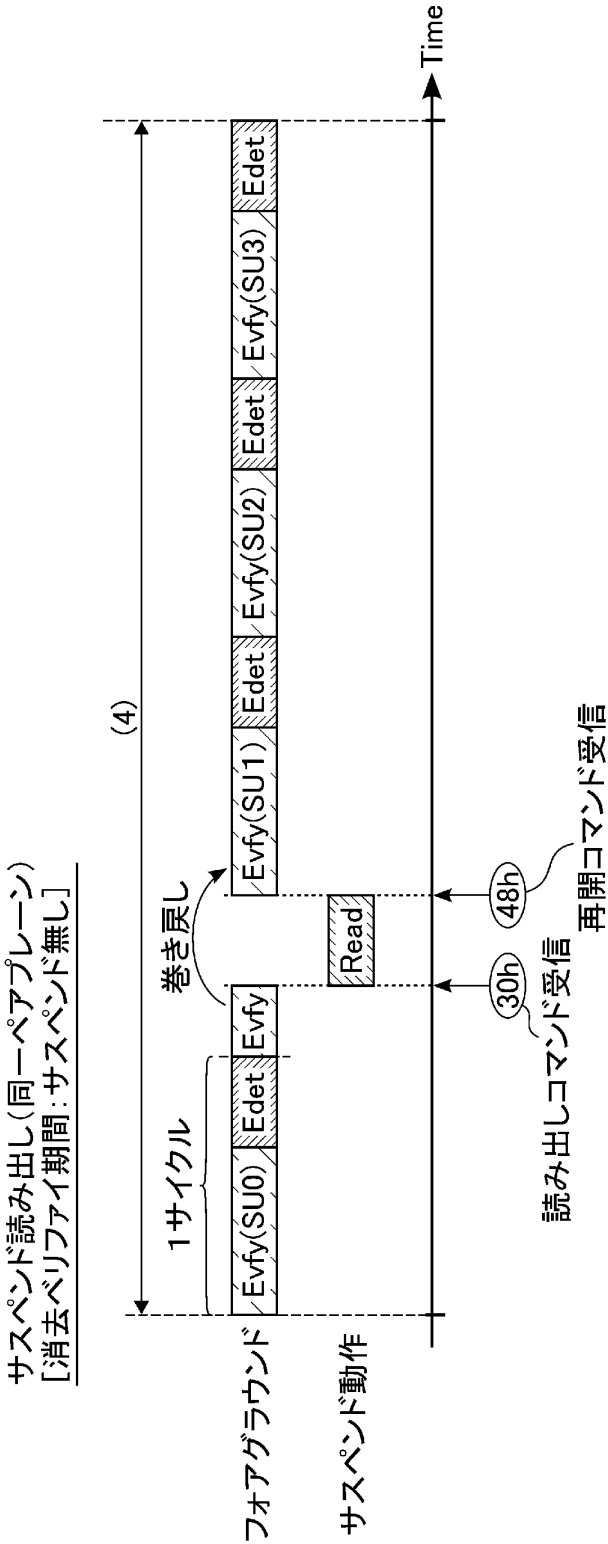
サスペンド読み出し(同一ペアプレーン)
[消去期間:2ステップサスペンド]



[図32]

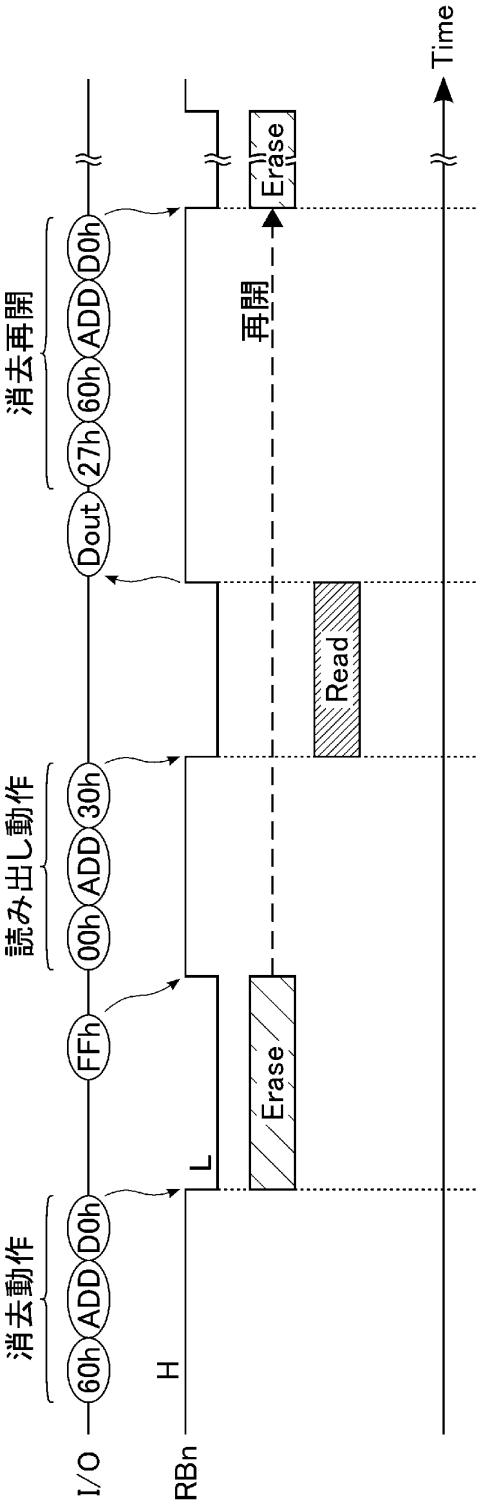


[図33]

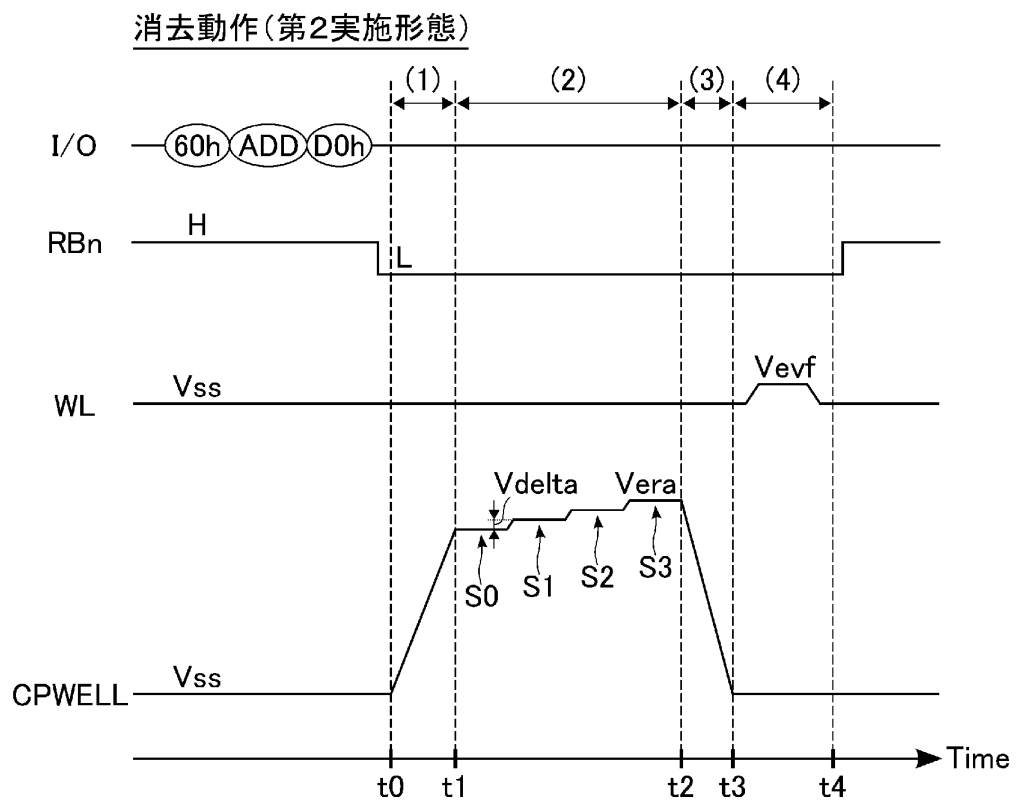


[図34]

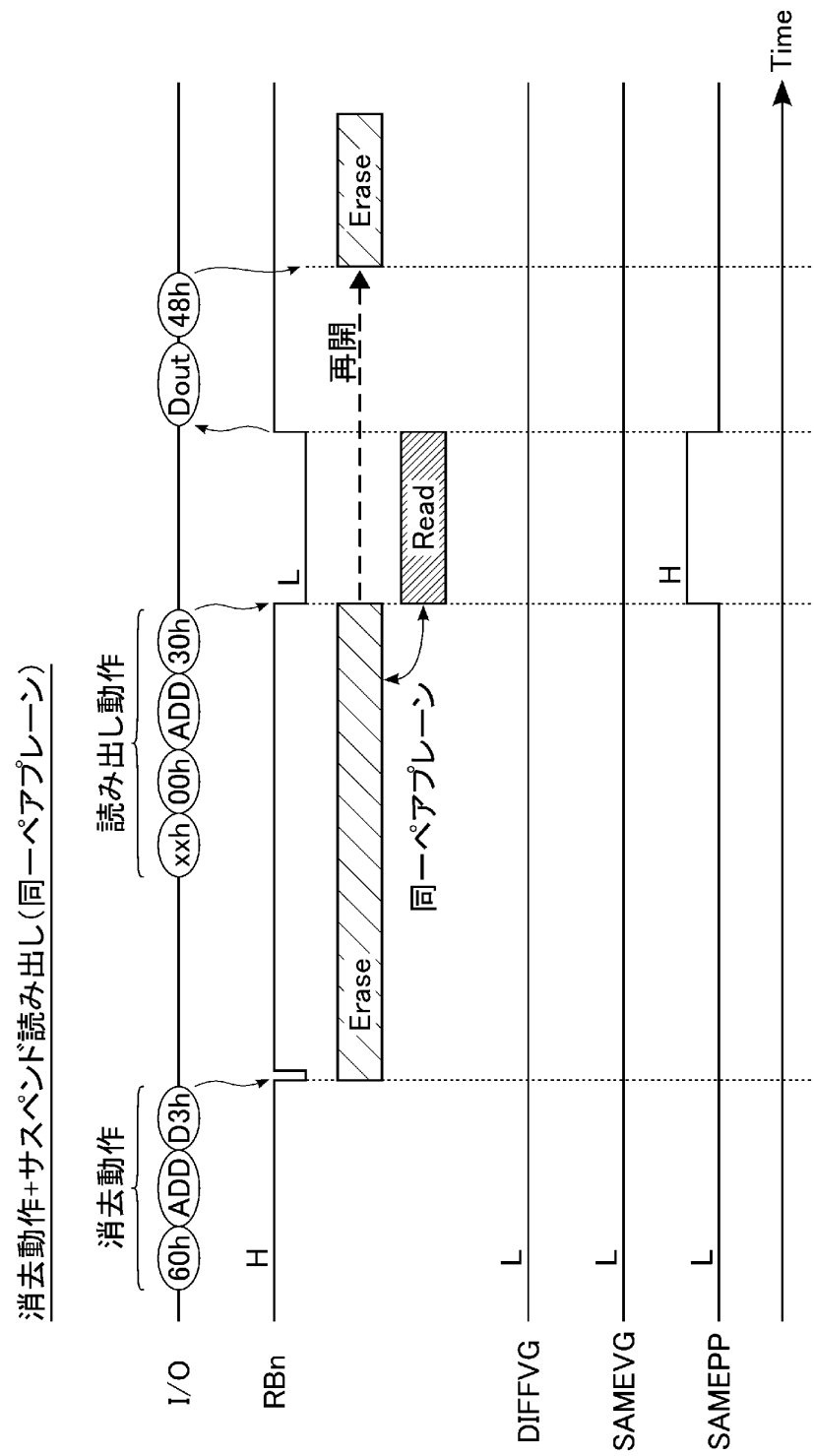
消去動作+サスペンド読み出し(第1実施形態の比較例)



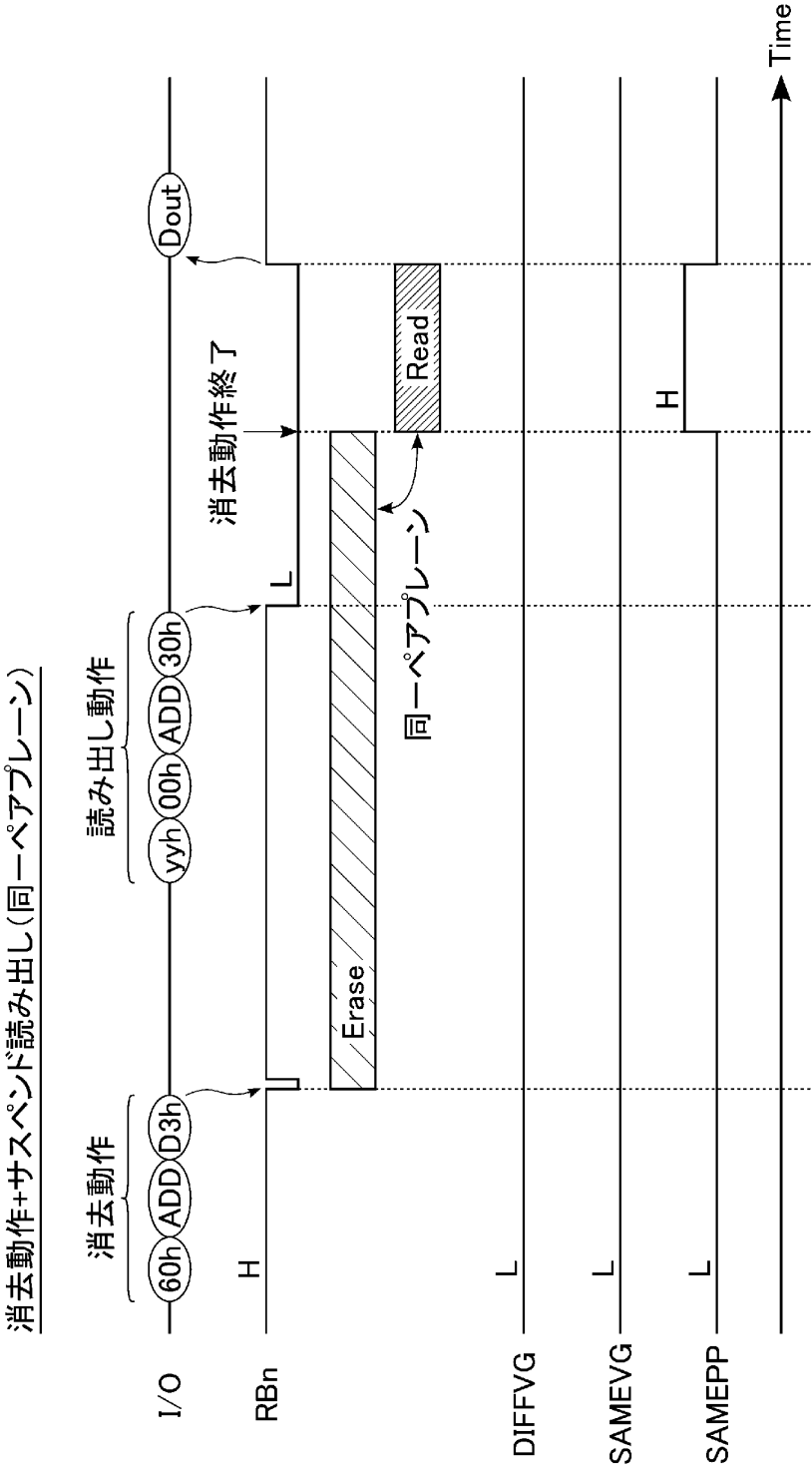
[図35]



[図37]



[図38]



[図39]

