

United States Patent [19]

Cowles

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[54]	CONTINUOUS	BURST	EDO	MEMORY	"4DR
	DEVICE				Inc.,

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[51]	Int. Cl.6	4.0	G11C	8/00
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395/490

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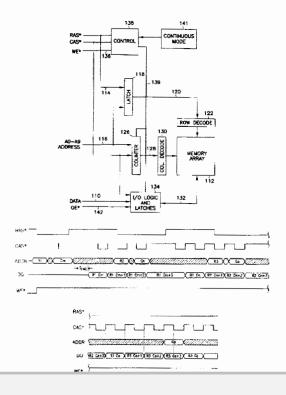
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[57] ABSTRACT

An integrated circuit memory device is described which can operate at high data speeds. The memory device can either store or retrieve data from the memory in a burst access operation. The burst operations latch a memory address from external address lines and internally generates additional memory addresses. The integrated circuit memory can output data in a continuous stream while new rows of the memory are accessed. A method and circuit are described for outputting a burst of data stored in a first row of the memory while accessing a second row of the memory.

20 Claims, 7 Drawing Sheets





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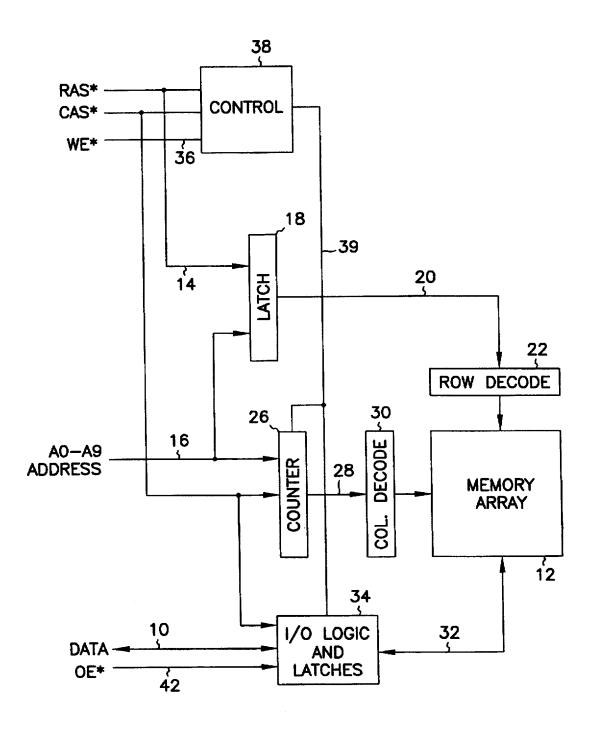


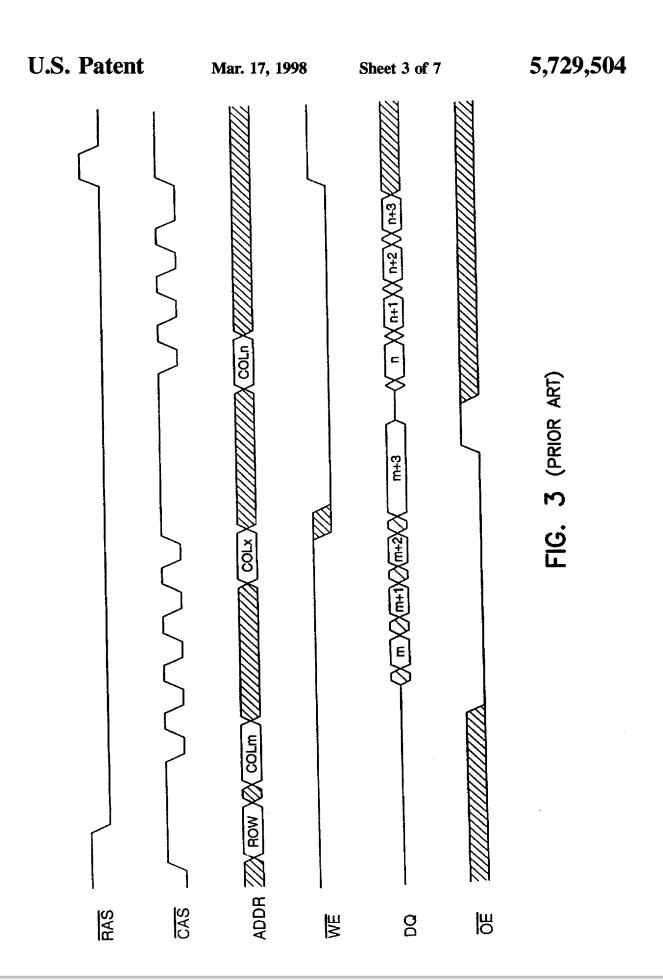
FIG. 1 (PRIOR ART)



FIG. 2

	Interleave	0-1	1-0	0-1-2-3	1-0-3-2	2-3-0-1	3-2-1-0	0-1-2-3-4-5-6-7	1-0-3-2-5-4-7-6	2-3-0-1-6-7-4-5	3-2-1-0-7-6-5-4	4-5-6-7-0-1-2-3	5-4-7-6-1-0-3-2	6-7-4-5-2-3-0-1	7-6-5-4-3-2-1-0
	Inter)		. -0	1-(2-3	3-6	0-1-2-	1-0-3-	2-3-0-	3-2-1-	4-5-6-	5-4-7-	6-7-4-	7-6-5-
	Linear	0-1	1-0	0-1-2-3	1-2-3-0	2-3-0-1	3-0-1-2	0-1-2-3-4-5-6-7	1-2-3-4-5-6-7-0	2-3-4-5-6-7-0-1	3-4-5-6-7-0-1-2	4-5-6-7-0-1-2-3	5-6-7-0-1-2-3-4	6-7-0-1-2-3-4-5	7-0-1-2-3-4-5-6
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