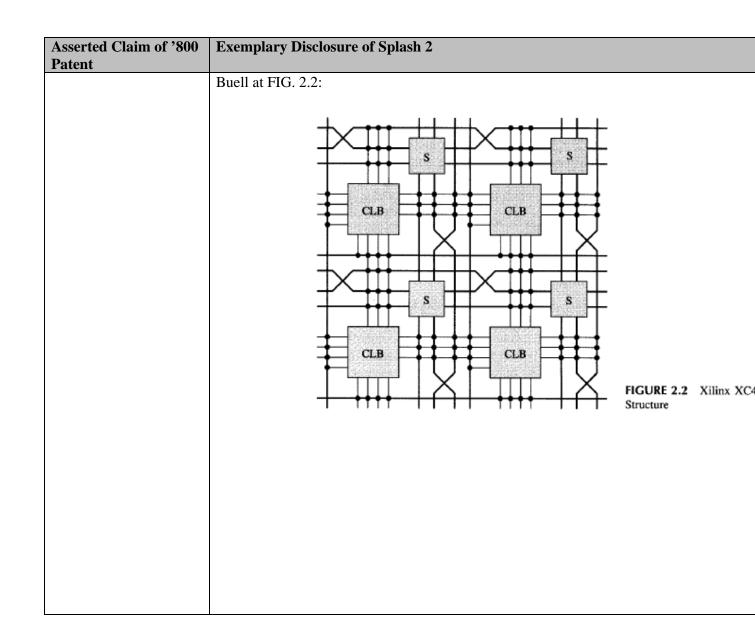
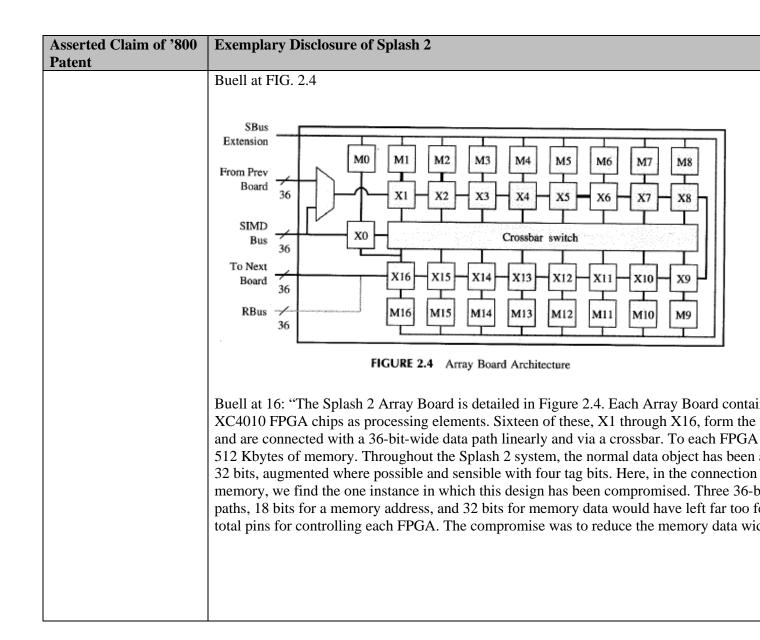
Asserted Claim of '800	Exemplary Disclosure of Splash 2
Patent	The state of the s
[1A] A method for data processing in a reconfigurable computing system, the reconfigurable computing system comprising at least one reconfigurable processor, the reconfigurable processor comprising a plurality of functional units, said method comprising:	At least under Plaintiff's apparent theories of infringement and interpretations of the clair any of Defendant's accused products satisfy this claim limitation, Buell alone or in combi or more references, discloses: Buell at 11: "The basic building block from which Splash 2 is made is the Xilinx XC4010 mentioned in Chapter 1, the XC4010 contains a 20 × 20 array of Configurable Logic Block Buell at 11: "Figure 2.2 illustrates the routing structure of the XC4000 series FPGA. Compare three types of signal routing resources including a single-length interconnect between boxes: "S" in Figure 2.2), a double-length interconnect between alternate switch boxes, at lines that span the width and height of the chip. The switch boxes contain programmable allow each segment to connect to three others. Configuration of the FPGA is done by load on-chip RAM; the hardware to do this in Splash 2 is implicit in our description in this chapter architecture and is discussed in greater length in Chapter 6."







A	
Asserted Claim of '800 Patent	Exemplary Disclosure of Splash 2
	Buell at 97: "With the onset of the Human Genome Initiative [3] and constant advances in sequencing technology, genetic sequence data are being generated at an ever increasing rabiologists are faced with an influx of new sequences that they would like to classify and s comparing them to existing databases. The analysis of a newly generated sequence typical searching the databases for similar sequences. With the enormous size of the databases, far needed for comparing sequences [11].
	Buell at Figure 8.1:
	TCTAGACC -
	Substitute G for T at position !
	GCTAGACC
	Insert A at position 3
	GCATAGACC
	Delete G at position 6
	AACC
	Substitute G for C at position 7 FIGURE 8.1 Listing of Operations to Transform TCTAGACC into GCATAAGC. Character matches are assumed to have a cost of 0 and are not show. Assigning a cost of 2 for a substitution, 1 for deletion, and 1 for insertion, the cost of the transformation
	is 6.

Asserted Claim of '800 Patent	Exemplary Disclosure of Splash 2
	Buell at 97: "In this chapter, we describe two systolic array architectures for sequence contheir implementations on the Splash 2 programmable logic array."
	Buell at 100: "The locality of reference shown in Figure 8.3 can be exploited to produce s algorithms in which communication is limited to adjacent processors
	The systolic architecture and data flow shown in Figure 8.5 were used in the design of P-N and Lopresti [12], a custom VLSI chip for DNA sequence comparison. Each processing electromy.
	Buell at 107: "8.3.3 Bidirectional Array For the DNA version of the bidirectional array, each of the 16 array FPGAs (XI to X16) c making a total of 384 PEs in a one-board Splash 2 system. The protein version packs 64 P board Splash 2 system. Timing results from XDELAY give a theoretical maximum throug million characters per second for the DNA version and 3.5 million characters per second f version."



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