### CPC COOPERATIVE PATENT CLASSIFICATION

### G PHYSICS

(NOTES omitted)

#### **INSTRUMENTS**

1/06

### G06 COMPUTING; CALCULATING OR COUNTING

(NOTES omitted)

# G06E OPTICAL COMPUTING DEVICES; {COMPUTING DEVICES USING OTHER RADIATIONS WITH SIMILAR PROPERTIES}(optical logic elements per se G02F 3/00;

digital storage using optical elements G11C 13/04)

### **NOTES**

- 1. This subclass covers all devices in which at least one computing function is performed by optical means.
- 2. If other aspects, for example mechanical, fluid pressure or electrical computing, are of interest, classification is also made in the relevant subclass for such aspects.

### 1/00 Devices for processing exclusively digital data

1/02 . operating upon the order or content of the data handled

 1/04 . . for performing computations using exclusively denominational number representation, e.g. using binary, ternary, decimal representation

1/045 . . . {Matrix or vector computation}

 for performing computations using a digital non-denominational number representation, i.e. number representation without radix; using combinations of denominational and nondenominational number representations

1/065 . . . {using residue arithmetic}

## 3/00 Devices not provided for in group G06E 1/00, e.g. for processing analogue or hybrid data

3/001 • {Analogue devices in which mathematical operations are carried out with the aid of optical or electro-optical elements (optical elements per se G02B; devices consisting of a plurality of solid state components, including light sensitive semiconductor components, formed in or on a common substrate H01L 27/14; electro-, magneto-or acousto-optics, non-linear optics G02F 1/00; graph reading G06K 11/00)}

3/003 . {forming integrals of products, e.g. Fourier integrals, Laplace integrals, correlation integrals; for analysis or synthesis of functions using orthogonal functions}

3/005 • {using electro-optical or opto-electronic means}
3/006 • {Interconnection networks, e.g. for shuffling}

3/008 • {Matrix or vector computation}

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