ECLA   EUROPEAN CLASSIFICATION

G06E

OPTICAL COMPUTING DEVICES; [N: COMPUTING DEVICES USING OTHER RADIATIONS WITH SIMILAR PROPERTIES] (optical logic elements per se G02F3/00; digital storage using optical elements G11C13/04)

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.

G06E1/00   **Devices for processing exclusively digital data**

G06E1/02   . operating upon the order or content of the data handled

G06E1/04   . . for performing computations using exclusively denominational number representation, e.g. using binary, ternary, decimal representation

G06E1/04M   . . . [N: Matrix or vector computation]

G06E1/06   . . for performing computations using a digital non-denominational number representation, i.e. number representation without radix; using combinations of denominational and non-denominational number representations

G06E1/06R   . . . [N: using residue arithmetic]

G06E3/00   **Devices not provided for in group G06E1/00, e.g. for processing analogue or hybrid data**

[N: **WARNING**
Not complete. For hybrid devices see also G06J
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G06E3/00A   . [N: 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 H01L27/14; electro-, magneto- or acousto-optics, non-linear optics G02F1/00; graph reading G06K11/00)]

G06E3/00A1   . . [N: forming integrals of products, e.g. Fourier integrals, Laplace integrals, correlation integrals; for analysis or synthesis of functions using orthogonal functions]

G06E3/00A2   . . [N: using electro-optical or opto-electronic means]

G06E3/00J   . [N: Interconnection networks, e.g. for shuffling]

G06E3/00M   . [N: Matrix or vector computation]

[N: **WARNING**
Not complete. See also G06E3/00A
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