

## Title (en)

Method for filtering data with arbitrary kernel filters

## Title (de)

Verfahren zur Filterung von Daten mit Filtern mit beliebigen Kernen

## Title (fr)

Procédé de filtrage de données avec des filtres de noyau arbitraire

## Publication

**EP 1968009 A2 20080910 (EN)**

## Application

**EP 08003980 A 20080304**

## Priority

US 68348207 A 20070308

## Abstract (en)

A computer implemented method filters input data with a kernel filter. A kernel filter is defined, and a set of unique filter coefficients for the kernel filter are determined. A linkage set is constructed for each unique filter coefficient such that the linkage set includes relative links to positions in the kernel filter that have identical filter coefficients, and in which each relative link is an inverse of the position of the unique filter coefficient. Each input data point is processed by multiply values on which the kernel filter is centered by each of the unique filter coefficients, and adding results of the multiplying to the corresponding output data points as referenced by the relative links.

## IPC 8 full level (invention and additional information)

**G06T 5/20 (2006.01); G06F 17/16 (2006.01)**

## CPC (invention and additional information)

**G06T 5/20 (2013.01); G06F 17/153 (2013.01)**

## Citation (applicant)

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US8417759B2; WO2008124741A3; US8306348B2; US9042678B2

## Designated contracting state (EPC)

DE FR GB

## Designated extension state (EPC)

AL BA MK RS

## DOCDB simple family

EP 1968009 A2 20080910; EP 1968009 A3 20090617; EP 1968009 A8 20081029; CN 101261733 A 20080910; JP 2008226233 A 20080925; US 2008219580 A1 20080911; US 7826676 B2 20101102