Title (en)

A SYSTEM FOR PERFORMING LINEAR INTERPOLATION

Publication

EP 0436002 A4 19930127 (EN)

Application

EP 90911465 A 19900724

Priority

US 38524289 A 19890725

Abstract (en)

[origin: WO9101527A1] An interpolation system generates an interpolated value in response to an input value. The interpolation system includes a function value store (30, 32) comprising a plurality of function value storage tables (30, 32) for storing function values for alternating domain coordinate values in a domain. An address generator (38), in response to an input value, generates address signals identifying locations in the function value storage tables to enable the function value storage tables to transmit function values in parallel. An interpolator (36) receives function values transmitted in parallel by the function value storage tables and the input value and generating in response thereto the interpolated value.

IPC 1-7

G06F 15/353

IPC 8 full level

G06F 17/17 (2006.01)

CPC (source: EP)

G06F 17/17 (2013.01)

Citation (search report)

- [Y] US 4837722 A 19890606 - SARA JASON [US]
- [Y] US 4841462 A 19890620 - VIGARIE JEAN-PIERRE [FR], et al
- [A] NASA TECHNICAL BRIEF, NASA SPRINGFIELD, VIRGINIA, US no. 6/A, June 1986, page 658 'FUNCTION GENERATOR FOR IMAGE PROCESSOR'
- See references of WO 9101527A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9101527 A1 19910207; EP 0436002 A1 19910710; EP 0436002 A4 19930127; JP H04500877 A 19920213

DOCDB simple family (application)

US 9004162 W 19900724; EP 90911465 A 19900724; JP 51109990 A 19900724