Title (en)

PROGRAMMABLE LOGIC ARRAY, INTERCONNECTION SWITCH AND LOGIC UNIT FOR SUCH A PROGRAMMABLE LOGIC ARRAY

Title (de)

PROGRAMMIERBARES LOGIKARRAY, VERBINDUNGSSCHALTER UND LOGIKEINHEIT FÜR EIN SOLCHES PROGRAMMIERBARES LOGIKARRAY

Title (fr)

RESEAU LOGIQUE PROGRAMMABLE, COMMUTATEUR D'INTERCONNEXION ET UNITE LOGIQUE POUR UN TEL RESEAU

Publication

EP 2324572 A2 20110525 (FR)

Application

EP 09784255 A 20090708

Priority

- FR 2009000845 W 20090708
- FR 0803903 A 20080709

Abstract (en)

[origin: US2010007378A1] A switch box (2) for a programmable gate array including input ports grouping a plurality of inputs (I, I') and output ports grouping a plurality of outputs (O, O'), with the inputs and the outputs being connected to a downstream connection tree structure from the inputs toward the outputs and including routing elements (4, 5, 6) organized according to several levels for connecting by a single path each input of all the input ports to at least one output of each output port. Switch boxes, logic units and programmable gate arrays including these, which are so arranged as to define a single path between two points of the array.

IPC 8 full level

H03K 19/177 (2006.01)

CPC (source: EP US)

H03K 19/17736 (2013.01 - EP US)

Citation (search report)

See references of WO 2010004140A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

US 2010007378 A1 20100114; **US 7795911 B2 20100914**; CN 102089976 A 20110608; CN 102089976 B 20140423; EP 2324572 A2 20110525; FR 2933826 A1 20100115; FR 2933826 B1 20111118; JP 2011527543 A 20111027; WO 2010004140 A2 20100114; WO 2010004140 A3 20101014

DOCDB simple family (application)

US 21048608 A 20080915; CN 200980127610 A 20090708; EP 09784255 A 20090708; FR 0803903 A 20080709; FR 2009000845 W 20090708; JP 2011517193 A 20090708