

Title (en)

Switching array having circuitry to adjust a temporal distribution of a gating signal applied to the array

Title (de)

Schaltarray mit Schaltung zur Anpassung der vorübergehenden Verteilung eines auf das Array angewandten Ansteuerungssignals

Title (fr)

Réseau de commutation comprenant des circuits pour ajuster une distribution temporelle d'un signal de déclenchement appliqué au réseau

Publication

EP 2518745 A3 20130424 (EN)

Application

EP 12165462 A 20120425

Priority

US 201113096071 A 20110428

Abstract (en)

[origin: EP2518745A2] A Micro-electro-mechanical systems (MEMS) switching array (1000) includes circuitry (1008), which may be coupled to a gate line (1006) of the array to adjust a temporal distribution of a gating signal applied to a plurality of MEMS switches that make up the switching array. The temporal distribution may be shaped to reduce a voltage surge that can develop in the switches during switching of electrical current. This voltage surge reduction is conducive to improving the durability of the array.

IPC 8 full level

H01H 1/00 (2006.01); **H01H 9/54** (2006.01)

CPC (source: EP)

H01H 1/0036 (2013.01); **H01H 9/541** (2013.01)

Citation (search report)

- [X] EP 1965404 A2 20080903 - GEN ELECTRIC [US]
- [A] US 2007139831 A1 20070621 - WRIGHT JOSHUA ISAAC [US], et al
- [A] US 2010302691 A1 20101202 - PREMERLANI WILLIAM JAMES [US], et al

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2518745 A2 20121031; EP 2518745 A3 20130424; CN 102856100 A 20130102; CN 102856100 B 20160914; JP 2012238586 A 20121206

DOCDB simple family (application)

EP 12165462 A 20120425; CN 201210138329 A 20120426; JP 2012099356 A 20120425