Title (en)

CERAMIC MULTI-LAYER CAPACITOR BASED ON BATI(1-Y)ZRY03

Title (de)

KERAMISCHER VIELSCHICHTKONDENSATOR BASIEREND AUF BATI(1-Y)ZRY03

Title (fr)

CONDENSATEUR CÉRAMIQUE MULTICOUCHE À BASE DE BATI(1-Y)ZRYO3

Publication

EP 3053174 A1 20160810 (DE)

Application

EP 14758394 A 20140901

Priority

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- EP 2014068516 W 20140901

Abstract (en)

[origin: WO2015049081A1] The invention concerns a ceramic multi-layer capacitor with a base member (1) with ceramic layers (2) and first and second electrode layers (3, 4) disposed therebetween, the ceramic layers (2) comprising a ceramic material based on BaTi1_yZryO3 where 0 ≤ y ≤ 1, displaying a temperature-dependent capacitance anomaly.

IPC 8 full level

H01G 4/30 (2006.01); **H01G 4/012** (2006.01); **H01G 4/12** (2006.01)

CPC (source: EP US)

C04B 35/49 (2013.01 - EP US); **H01G 4/008** (2013.01 - US); **H01G 4/012** (2013.01 - EP US); **H01G 4/1227** (2013.01 - EP US); **H01G 4/30** (2013.01 - EP US); C04B 2235/3215 (2013.01 - EP US); H01G 4/1245 (2013.01 - EP US)

Citation (search report)

See references of WO 2015049081A1

Citation (examination)

- EP 2251313 A1 20101117 - NAT INST FOR MATERIALS SCIENCE [JP]
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- SANDEEP MAHAJAN ET AL: "Study of Structural and Electrical Properties of Conventional Furnace and Microwave-Sintered BaZr 0.10 Ti 0.90 O 3 Ceramics", JOURNAL OF THE AMERICAN CERAMIC SOCIETY., vol. 92, no. 2, 27 January 2009 (2009-01-27), US, pages 416 - 423, XP055382360, ISSN: 0002-7820, DOI: 10.1111/j.1551-2916.2008.02885.x
- WANG JINFEI ET AL: "High energy storage density performance of Ba, Sr-modified lead lanthanum zirconate titanate stannate antiferroelectric ceramics", MATERIALS RESEARCH BULLETIN, vol. 48, no. 10, 5 June 2013 (2013-06-05), pages 3847 - 3849, XP028692673, ISSN: 0025-5408, DOI: 10.1016/J.MATERRESBULL.2013.05.083
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Designated extension state (EPC)

BA ME

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