

Title (en)  
IGNITION CIRCUIT

Title (de)  
ZÜNDKREIS

Title (fr)  
CIRCUIT D'AMORÇAGE

Publication  
**EP 2920855 A1 20150923 (DE)**

Application  
**EP 13811373 A 20131108**

Priority  
• DE 102012022399 A 20121116  
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Abstract (en)  
[origin: WO2014075782A1] The subject matter of the invention is an ignition circuit (Z) for a series circuit comprising at least two spark gaps for limiting overvoltages with medium and high power, in particular overvoltages corresponding to the pulse shapes 8/20 µs and 10/350 µs with amplitudes of approximately 10 kA to approximately 200 kA (Class I arrester), (FS1, FS2). The spark gaps (FS1, FS2) are each equipped with at least one auxiliary electrode (H1, H2). The ignition circuit (Z) has a first varistor (VAR1) and a second varistor (VAR2), wherein the ignition circuit (Z) is suitable for limiting overvoltages with a mean power, in particular overvoltages corresponding to the pulse shape 8/20 µs with amplitudes of approximately 10 to approximately 100 kA (Class II arrester). The ignition circuit (Z) is designed for connection to the auxiliary electrodes (H1, H2), wherein the ignition circuit (Z) has two ignition subcircuits (TZ1, TZ2). The first ignition subcircuit (TZ1) has the first varistor (VAR1) and is designed for igniting the first spark gap (FS1). The second ignition subcircuit (TZ2) has the second varistor (VAR2) and is designed for igniting the second spark gap (FS2). Further subjects of the invention are an overvoltage protection device comprising such an ignition circuit (Z) and the use of a multiple-contact varistor (M-VAR) for triggering a spark gap (FS1).

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See references of WO 2014075782A1

Citation (examination)  
• DE 102011100437 A1 20120503 - DEHN & SOEHNE [DE]  
• DE 10245144 B3 20040122 - DEHN & SOEHNE [DE]

Cited by  
CN113612211A; EP3080881A1

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