

Title (en)
HIGH-FREQUENCY BROADBAND TRANSDUCER

Publication
EP 0498036 A3 19921202 (DE)

Application
EP 91117190 A 19911009

Priority
DE 4103184 A 19910202

Abstract (en)
[origin: EP0498036A2] 2.1 Known radio-frequency broadband transformers having two windings arranged on a ferrite core can transform radio-frequency signals only up to a frequency of about 600 MHz. <??>2.2 In order that radio-frequency signals up to a frequency of about 860 MHz can also be transformed, it is proposed according to the invention that the first winding (W1) be wound on the ferrite core (K) twisted with the second winding (W2). This allows a radio-frequency broadband transformer to be implemented which is suitable for transforming radio-frequency signals in a frequency band of, for example, 47 to 860 MHz. <??>3. The drawing shows a radio-frequency broadband transformer in section. <IMAGE>

IPC 1-7
H01F 19/04

IPC 8 full level
H01F 19/06 (2006.01); **H01F 19/04** (2006.01)

CPC (source: EP US)
H01F 19/04 (2013.01 - EP US)

Citation (search report)

- [Y] DE 1238974 B 19670420 - TELEFUNKEN PATENT
- [A] DE 3022023 A1 19811217 - BOSCH GMBH ROBERT [DE]
- [Y] THE REVIEW OF SCIENTIFIC INSTRUMENTS Bd. 34, Nr. 10, 27. Februar 1963, YORKTOWN HEIGHTS, NEW YORK Seiten 1075 - 1081 TANSAL ET AL 'Wide-band pulse transformers for matching low impedance loads'
- [A] ELECTRONICS Bd. 46, Nr. 17, 16. August 1973, BLACKSBURG, VIRGINIA Seiten 113 - 116 KRAUSS ET AL 'Designinig toroidal transformers to optimize wideband performance'

Designated contracting state (EPC)
DE FR NL

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EP 0498036 A2 19920812; EP 0498036 A3 19921202; DE 4103184 A1 19920806; FI 920096 A0 19920109; FI 920096 A 19920803; JP H04335507 A 19921124; US 5216393 A 19930601

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