

Title (en)  
Distributed capacitive component in strip lines, filter, transformer, resonator and divider arrangements

Title (de)  
Verteilte Kapazität in Streifenleitungen, Filter-, Transformator-, Resonator- und Teileranordnungen

Title (fr)  
Capacité distribuée dans des lignes à ruban, filtres, transformateurs, résonateurs et combinateurs

Publication  
**EP 1906484 A1 20080402 (EN)**

Application  
**EP 06425668 A 20060928**

Priority  
EP 06425668 A 20060928

Abstract (en)  
A conductive strip transmission line is disclosed, including at least one capacitive component with distributed parameters which has, in the plane of the strip, a track area (12; 22; 32; 42) delimited by a profile free of angular points, for example an elliptical or circular track area. Also described are electromagnetic structures and circuit arrangements based on this type of transmission line, such as a low-pass filter (10), a bandpass filter (20), a  $\pi/4$  transformer (30), a parallel LC resonator (40), a 90 degree hybrid divider/combiner and a Wilkinson divider, comprising capacitive components of a transmission line with circular track areas.

IPC 8 full level  
**H01P 1/203** (2006.01); **H01P 3/08** (2006.01); **H01P 5/18** (2006.01)

CPC (source: EP)  
**H01P 1/203** (2013.01); **H01P 1/2039** (2013.01); **H01P 3/08** (2013.01); **H01P 5/184** (2013.01)

Citation (search report)

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