

Title (en)  
BALANCED TRANSFER MIXER

Title (de)  
BALANCIERTER TRANSFERMISCHER

Title (fr)  
MÉLANGEUR DE TRANSFERT ÉQUILIBRÉ

Publication  
**EP 2223149 A1 20100901 (DE)**

Application  
**EP 08860377 A 20081015**

Priority  
• EP 2008063837 W 20081015  
• DE 102007059260 A 20071210

Abstract (en)  
[origin: WO2009074378A1] A balanced transfer mixer, comprising a coupler element (10), which has an HF source port (12) and an antenna port (14) on one side and two diode ports (16,18) on the other side, two mixer diodes (20, 22), which are each connected between one of the diode ports (16,18), and an HF ground (24, 26), and adjustment networks (28, 30), which set the ratio between the output converted by the mixer diodes (20,22) to the output reflected and radiated via the antenna port (14) by an antenna (46) by means of controlled adjustment of the mixer diodes (20, 22). The adjustments networks (28,30) are configured to be set electronically.

IPC 8 full level  
**G01S 7/03** (2006.01); **G01S 7/35** (2006.01); **H01P 5/22** (2006.01); **H03D 9/06** (2006.01)

CPC (source: EP)  
**G01S 7/032** (2013.01); **G01S 7/036** (2013.01); **H01P 5/227** (2013.01); **H03D 9/0633** (2013.01); **G01S 7/352** (2013.01)

Citation (search report)  
See references of WO 2009074378A1

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Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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