

Title (en)

U-link connector for RF signals with integrated bias circuit

Title (de)

U-Link-Verbinder für HF-Funksignale mit integrierter Vorspannungsschaltung

Title (fr)

Connecteur en U pour signaux RF intégrés avec circuit de polarisation

Publication

**EP 2843776 B1 20180926 (EN)**

Application

**EP 14182135 A 20140825**

Priority

- EP 13182039 A 20130828
- EP 14161949 A 20140327
- EP 14182135 A 20140825

Abstract (en)

[origin: EP2843775A1] In radio stations the antenna cables are subject to long-term degradation or failure due to electrical, mechanical and environmental stress. To avoid severe damage, which may result in a breakdown of the station, a monitoring of the antenna cables and/or antennas is desired. A U- link connector is provided for simple refurbishment of the radio stations by simple exchanging existing U- link connectors. The U- link connector comprises a bias tee circuit, by which a DC signal can be coupled into the antenna cable for a cable test, which may even be performed during operation of an attached transmitter.

IPC 8 full level

**H01R 24/42** (2011.01); **H01R 103/00** (2006.01)

CPC (source: EP)

**H01R 24/42** (2013.01); **H01R 2103/00** (2013.01); **H01R 2201/02** (2013.01); **H01R 2201/20** (2013.01)

Citation (examination)

- US 6139369 A 20001031 - ARWIDI VIKTORIA [SE], et al
- EP 0230746 A2 19870805 - ADC TELECOMMUNICATIONS INC [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2843775 A1 20150304**; EP 2843776 A2 20150304; EP 2843776 A3 20150318; EP 2843776 B1 20180926; ES 2702632 T3 20190304

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**EP 14161949 A 20140327**; EP 14182135 A 20140825; ES 14182135 T 20140825