

Title (en)
ANALOG SPECTRUM ANALYSER

Title (de)
ANALOGSPEKTRUMSANALYSATOR

Title (fr)
ANALYSEUR DE SPECTRE ANALOGIQUE

Publication
EP 3077833 A1 20161012 (FR)

Application
EP 14806643 A 20141204

Priority
• FR 1302819 A 20131204
• EP 2014076576 W 20141204

Abstract (en)
[origin: WO2015082618A1] The invention relates to a spectrum analyser for a signal IRF comprising a plurality of frequencies f_i characterised by comprising N entities (20n) each made up of a structure formed by a stack of magnetic and non-magnetic layers having in at least one of the magnetic layers a magnetic configuration in the shape of a vortex, the excitation modes of the magnetic configuration being suitable for detecting the frequencies contained in an incident signal in real time, each entity having a first lower electrode (21n) and a second upper electrode (22n), a voltage-measuring device (6a) suitable for measuring an electric voltage showing the presence of a frequency f_k in the analysed signal IRF, the device (6a) being connected to the lower electrode (21n) and to the upper electrode (22n), a measurement-processing device (7) suitable for determining the value of the frequencies f_k in the signal IRF, and a line (53) carrying the signal to be analysed to each of the entities.

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Citation (search report)
See references of WO 2015082618A1

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