

CC-B

Fractus S.A.

CC-B: Claim Chart Comparing claims 1 and 6 of the '432 Patent to Grangeat under 35 U.S.C. § 102

Prior art cited in this chart:

- Grangeat et al., “Multifrequency Microstrip Antenna and A Device Including Said Antenna”, U.S. Patent 6,133,879, Filed: December 11, 1998. (“Grangeat”)

Claims of the '432 Patent	Disclosure of the Prior Art
Claim 1 1. A multi-band antenna comprising:	“The present invention is more particularly concerned with the situation in which an antenna of the above kind must have the following properties: it must be a multifrequency antenna, i.e. it must be able to transmit and/or to receive efficiently on more than one operating frequency” Grangeat, Col. 3, lines 33-38.

a conductive radiating element including at least one multilevel structure,

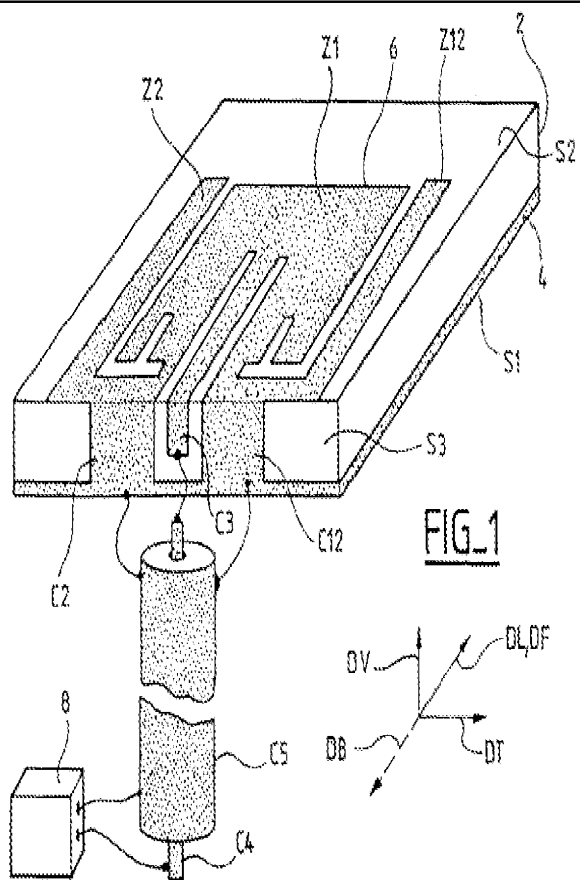


Figure 1 - Grangeat

CC-B

Fractus S.A.

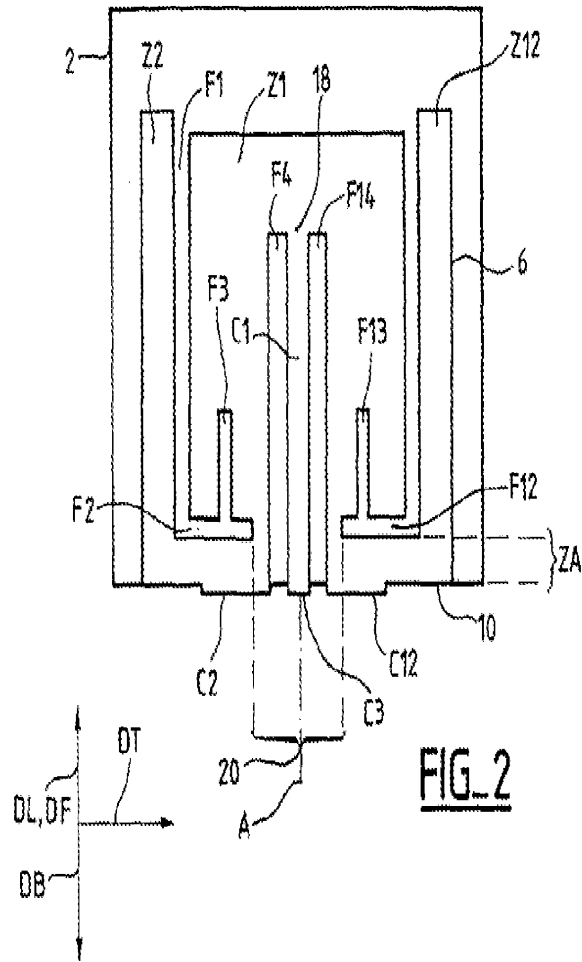


Figure 2 – Grangeat

“The antenna further includes a coupling device in the form of a coupling line. The device includes a main conductor consisting of two sections C1 and C3 connected to the patch 6 at an internal connection point 18. It further includes a composite ground conductor that co-operates with the main conductor and is described below. It constitutes all or part of a connection system that connects the resonant structure of the antenna to a signal processing unit 8, for example to excite one or more antenna resonances from that unit in the case of a transmit antenna.” **Grangeat, Col. 6, lines 7-16.**

“The antenna of the example is a dual-frequency antenna, i.e. it must give rise to at

least two resonances so that it can operate in two modes corresponding to two operating frequencies. To this end a slot formed in the patch 6 opens towards the front and outside the patch. It constitutes a longitudinal separator slot F1. The longitudinal extent of this slot defines in the patch a front region Z2, Z1, Z12 in which the slot divides a primary zone Z1 from a secondary zone Z2. A rear region ZA extends between the front region and the rear edge 10. The rear region is preferably shorter and even more preferably much shorter in the longitudinal direction DL than the front region.”

Grangeat, Col., 6, lines, 40-51.

said at least one multilevel structure comprising a plurality of electromagnetically coupled geometric elements,

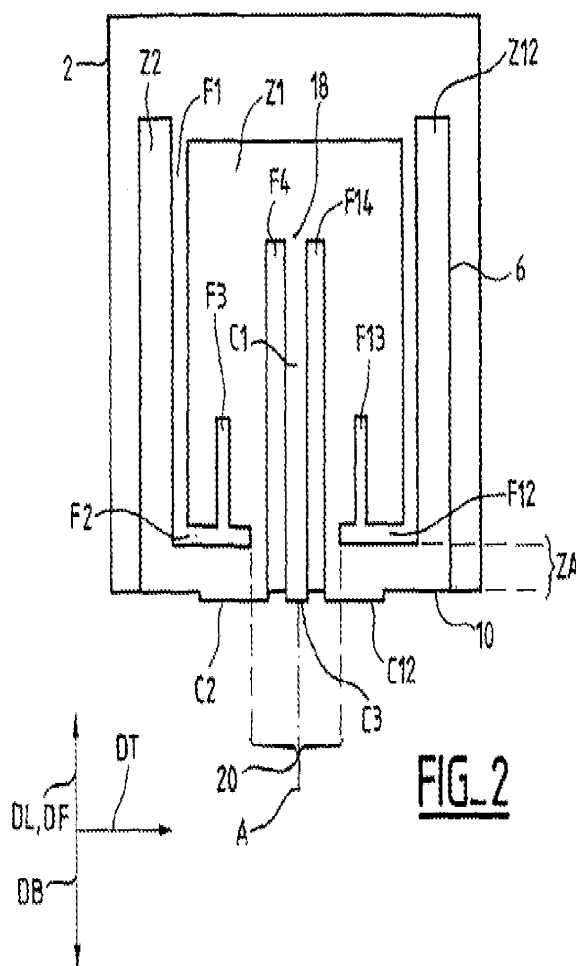


Figure 2 – Grangeat

“With the above aims in view, the present invention consists in a multifrequency

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.