



# PROCESS FOR TRANSMISSION ACCESS WITHOUT FREQUENCY DUPLEXER

*Innovative process providing access without a duplexer for systems equipped with half-duplex terminals*

## Technological advantages

### A promising solution

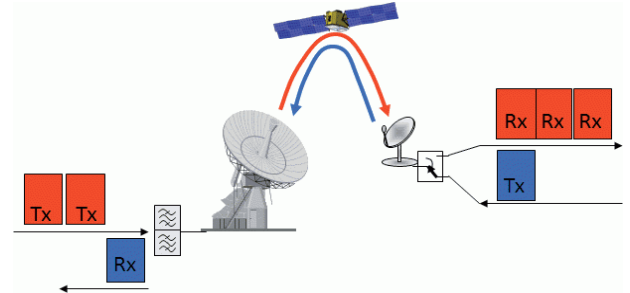
Offers all the advantages of the half-duplex system  
Useful for communications on complex duplexer

### Optimised system with half-duplex terminals

Maximised capacity for the communication system

### Just like full-duplex communication

Advantages of both full-duplex and half-duplex systems



Half-duplex system

## Overview of invention

Optimised access system for systems with half-duplex terminals, using interleaving-coding mechanisms.

## Potential applications

- Satellites
- Drones
- All two-directional systems subject to hops
- On-ground mobile telephony networks (mobile operators, Time Division Duplex)

TRL : 2 (2010)

Patented invention, available under license

## Commercial benefits

Method to obtain duplex-like communications on terminals with no duplexer

Increased terminal speed of +50%

A 20% reduction in costs due to absence of filters