

## Efficient MIMO Systems with Full Diversity and Deterministic Processing

A system and method has been developed for MIMO communication systems for achieving full diversity with deterministic array processing.

<p><b>Problems in Existing technology</b></p> <ul style="list-style-type: none"> <li>• Estimation of the correct channel values for mobile users is difficult</li> <li>• Quality of reception is bad</li> </ul>	<p><b>Invention features</b></p> <ul style="list-style-type: none"> <li>• No requirement of perfect knowledge of channel gains for decoding the data belonging to a practical constellation.</li> <li>• Avoids the requirement of knowledge of instantaneous channel values at the transmitter and the receiver.</li> <li>• Minimizes the union bound on the symbol error probability.</li> <li>• Very useful for diversity and array gain.</li> </ul>
<p><b>Licensing Terms &amp; Financial terms</b></p> <ul style="list-style-type: none"> <li>• Non-exclusive &amp; non sub licensable for 3 years</li> <li>• Lumpsum</li> <li>• Consultancy proposal will be submitted as per the need of licensee if required</li> </ul>	<p><b>IP and Technology status</b></p> <ul style="list-style-type: none"> <li>• Application filed for patent in USA</li> <li>• Ready but will require customization</li> </ul>
<p><b>Applications</b></p> <ul style="list-style-type: none"> <li>• Easily implemented in software stored on computer readable medium.</li> <li>• Easily implemented within ASICs, DSPs, FPGAs, and other electronic units designed to perform the function</li> <li>• Efficiently provides accurate processing in wireless MIMO systems.</li> </ul>	<p><b>If licensed to any company</b></p> <ul style="list-style-type: none"> <li>• Not licensed to anyone yet</li> </ul>

Interested parties have to submit the below mentioned documents through email ([poojabhatia.fitt@gmail.com](mailto:poojabhatia.fitt@gmail.com) with a copy to [mdfitt@gmail.com](mailto:mdfitt@gmail.com))

1. A brief statement of how the company plans to take this technology forward and a commercialization plan.
2. Proof of registration and in operation of the company.
3. Copies of PAN, TAN for companies in India
4. Copies of MOA
5. Company Brochure, facilities available and qualification details of the employees
6. Last three audited balance sheets. Audited balance sheet less than 3 years will be considered in case of start ups with shorter operating history