Patent landscaping in the sub-$100 mobile device market in India

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Smartphone Vendor Share in India, 2015Q2

- Samsung: 23%
- Others: 37%
- Micromax: 17%
- Intex: 11%
- Lava: 7%
- Lenovo: 6%

Source: IDC AP Quarterly Mobile Phone Tracker, 2015Q2
SEP Infringement Litigation in India

- Ericsson v {Kingtech, Micromax, Gionee, Lava, iBall, Xiaomi}
- Sued all over 8 SEPs.
- Vringo v {ZTE, Asus}
The Taiwan Story

• Fabless IC companies located in Taiwan or China design chips while consulting the chip fabricators, based on physical and electrical design parameters.

• Fabless IC designing and manufacturing companies expect the assemblers or importers to pay royalties for their chips.
The China Story

- Turnkey solutions: “Buy a turnkey solution, open a factory, take a chassis [case], screw it all together, and sell it. This is what's driven the demand, and that's what created this low cost-market.”

- The million-dollar question: Have they paid royalties or licensing fees for the patents that apply to the mobile phones they manufacture?
  - “Royalties or licensing fees are not explicitly paid by the phone manufacturer [OEM]...”
Patent Landscaping

- Patents and patent applications held by 50 different companies in India
- 4,000 live patents granted for different mobile phone technologies
- 19,500 patent applications at the Indian Patent Office
- Categories: Communication, Energy storage, Software, Display, and so on.
- Sub-categories
  - User equipment, Infrastructure, both
<table>
<thead>
<tr>
<th>Categories</th>
<th>Number of patents and patent applications</th>
<th>Granted patents</th>
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<tbody>
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<td>Communication</td>
<td>12,857</td>
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For more: http://cis-india.org/author/rohini