

Title (en)  
INTEGRATED TUNABLE CAPACITOR

Title (de)  
INTEGRIERTE, ABSTIMMBARE KAPAZITÄT

Title (fr)  
CONDENSATEUR ACCORDABLE INTEGRE

Publication  
**EP 1390986 A2 20040225 (DE)**

Application  
**EP 02748561 A 20020529**

Priority  
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• DE 10126116 A 20010529

Abstract (en)  
[origin: DE10126116A1] The invention relates to an integrated tunable capacitor in which the quality is improved by virtue of the fact that, in lieu of source/drain regions, highly doped trough connection regions (6) of a large depth are provided that are configured, for example, as collector deep implantation regions. This results in reducing the series resistance of the tunable capacitor. The integrated tunable capacitor can be used, for example, in integrated voltage-controlled oscillator circuits in which a high quality is demanded.

IPC 1-7  
**H01L 29/94**

IPC 8 full level  
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