

# Snippet from European Patent paper # EP 1 381 152 B1

## Claims

1. Resonance oscillator with an oscillator transistor (N1),  
with a drain-gate-feedback for adjustment  
of the working point of the oscillator transistor (N1),  
with a current mirror (P1/P2) as load and a coupling capacity (C3),  
coupling the entry signal of the oscillator transistor (N1)  
on the common gate of the current mirror (P1/P2),  
**characterized in that** the oscillator transistor (N1)  
comprises an additional not linear drain-gate-feedback element (N2, P3),  
consisting of two parallel diode structures (N2, P3) in opposite polarity to limit the voltage.

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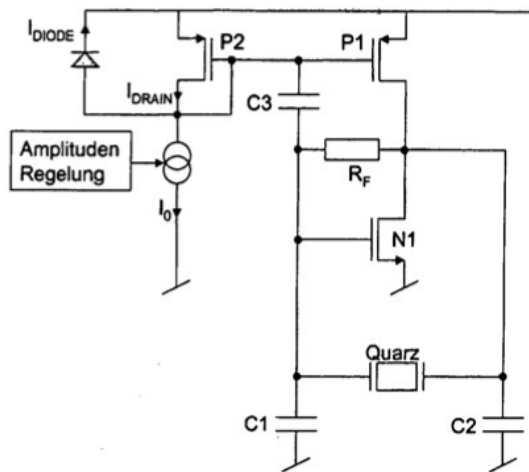


Fig. 1

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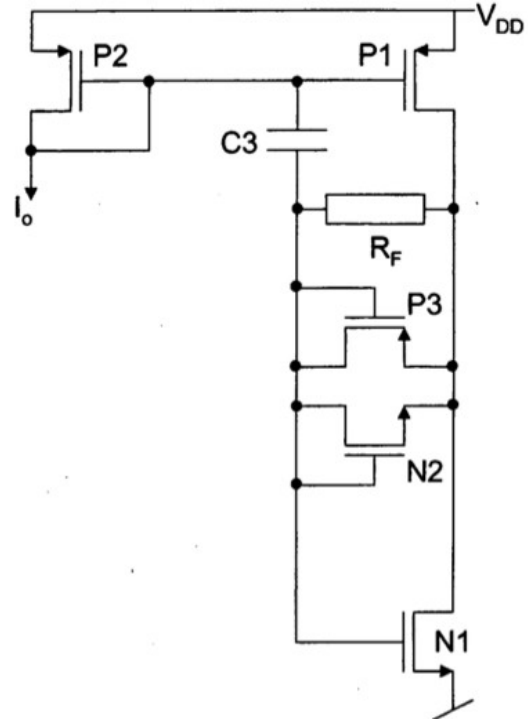


Fig. 3