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Benjamín

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(54) **DEVICE ACTIVE CHANNEL LENGTH/WIDTH GREATER THAN CHANNEL LENGTH/WIDTH**

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CPC ***H01L 29/783*** (2013.01); ***H01L 21/823425*** (2013.01); ***H01L 21/823456*** (2013.01); ***H01L 21/823468*** (2013.01); ***H01L 27/088*** (2013.01); ***H01L 29/66477*** (2013.01); ***H01L 29/66568*** (2013.01); ***H01L 29/78*** (2013.01)

(58) **Field of Classification Search**
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See application file for complete search history.

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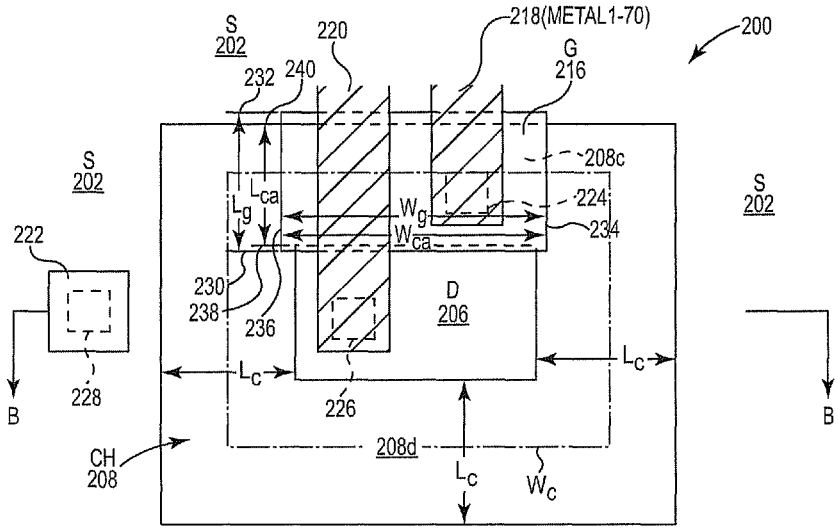
(57) **ABSTRACT**

A device including a drain, a channel, and a gate. The channel surrounds the drain and has a channel length to width ratio. The gate is situated over the channel to provide an active channel region that has an active channel region length to width ratio that is greater than the channel length to width ratio.

14 Claims, 7 Drawing Sheets