

Title (en)

FORMATION OF SOURCE/DRAIN FROM DOPED GLASS

Title (de)

BILDUNG VON SOURCE/DRAIN MIT CLOTIERTEM GLAS

Title (fr)

FORMATION D'UNE REGION DE SOURCE ET DE DRAIN EN VERRE DOPE

Publication

EP 0853815 A1 19980722 (EN)

Application

EP 96934065 A 19961003

Priority

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- US 9616002 W 19961003

Abstract (en)

[origin: WO9713273A1] A process for fabricating a source and drain region which includes a more lightly doped source and drain tip region immediately adjacent to the gate and a more heavily doped main portion of the source and drain region spaced apart from the gate. A first layer (16) of glass (2 % BSG) is used to provide the source of doping for the tip region and a second layer (35) of glass (6 % BSG) is used to provide the dopant for the more heavily doped major portion of source and drain regions. Spacers (31) are formed between the glass layers to define the tip region from the main portion of the source and drain regions.

IPC 1-7

H01L 21/385; **H01L 21/8232**

IPC 8 full level

H01L 21/225 (2006.01); **H01L 21/336** (2006.01); **H01L 21/8238** (2006.01); **H01L 27/092** (2006.01); **H01L 29/78** (2006.01)

CPC (source: EP KR)

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