

Title (en)
LIQUID PHASE EPITAXY

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Application
EP 90906735 A 19900424

Priority
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Abstract (en)
[origin: WO9012905A1] Liquid phase epitaxially grown crystals are prepared in a tilt tube apparatus pivotable about a pivoting arrangement (21). The apparatus comprises a silica crucible (10) within a silica reaction tube (11) having a palladium diffused hydrogen atmosphere which is heated by electric furnace (12). The crucible (10) is in contact with a silica rod (13) which is connected through a flexible coupling (15) to a transducer (14) which draws power from a power oscillator (17). Vibrations are thereby induced in the crucible (10) during preparation of a crystal.

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C30B 19/02 (2006.01); **C30B 19/04** (2006.01); **C30B 19/06** (2006.01)

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C30B 19/02 (2013.01); **C30B 19/04** (2013.01); **C30B 19/06** (2013.01)

Citation (search report)
• [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 29 (C-562)23 January 1989 & JP-A-63 233 094 (FUJITSU LTD) 28 September 1988
• [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 11 (C-558)11 January 1989 & JP-A-63 218 595 (TOSHIBA CORP) 12 September 1988
• [A] JOURNAL OF CRYSTAL GROWTH. vol. 42, 1977, AMSTERDAM NL pages 301 - 308; H.J. SCHEEL: 'A NEW TECHNIQUE FOR MULTILAYER LPE'
• See references of WO 9012905A1

Designated contracting state (EPC)
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