

Title (en)  
LIQUID PHASE EPITAXY

Publication  
**EP 0470130 A4 19920701 (EN)**

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.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP)  
**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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