

Title (en)  
A METHOD FOR USING CATALYST IN GROWTH OF SEMICONDUCTORS COMPRISING N-AND P- ATOMS AND DEVICE FOR THE METHOD

Title (de)  
VERFAHREN ZUR VERWENDUNG EINES KATALYSATORS BEIM WACHSTUM VON HALBLEITERN MIT N- UND P-ATOMEN UND VORRICHTUNG FÜR DAS VERFAHREN

Title (fr)  
PROCÉDÉ D'UTILISATION DE CATALYSEUR DANS LA CROISSANCE DE SEMI-CONDUCTEURS COMPRENANT DES ATOMES N ET P ET DISPOSITIF ASSOCIÉ AU PROCÉDÉ

Publication  
**EP 4334492 A1 20240313 (EN)**

Application  
**EP 22799207 A 20220505**

Priority  
• SE 2130122 A 20210505  
• SE 2022050438 W 20220505

Abstract (en)  
[origin: WO2022235194A1] A semiconductor material of nitride-type in a gas phase epitaxial process in a growth chamber is grown on a wafer (1 ) on a susceptor whereby process gases (2) flows over the wafer, where one of the process gases consists of ammonia and one of phosphine (PH<sub>3</sub>) or arsine (AsH<sub>3</sub>), where the ammonia gas is forced to flow through a metallic catalyst (4, 7) before reaching the wafer (1 ).

IPC 8 full level  
**C23C 16/30** (2006.01); **C23C 16/34** (2006.01); **C23C 16/52** (2006.01); **C30B 25/02** (2006.01); **H01L 21/02** (2006.01)

CPC (source: EP SE)  
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Citation (search report)  
See references of WO 2022235194A1

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KH MA MD TN

DOCDB simple family (publication)  
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