

Title (en)

INTERNAL HOLE SAW WITH A PLURALITY OF BLADES FOR SAWING OF CRYSTAL BARS AS WELL AS METHODS EXECUTED BY THAT SAW

Publication

EP 0232920 A3 19871104 (DE)

Application

EP 87102096 A 19870213

Priority

DE 3604739 A 19860214

Abstract (en)

[origin: US4834062A] A multi-blade inner hole saw for the sawing of crystal rods or blocks, such as solar cell base material on a silicon base, into thin wafers has saw blades arranged mirror-symmetrically with respect to the bearing on either side of a common drive cylinder. In the sawing operation, the workpieces are sawn synchronously by the saw blades.

IPC 1-7

B28D 5/02

IPC 8 full level

B28D 5/00 (2006.01); **B28D 5/02** (2006.01); **H01L 21/304** (2006.01)

CPC (source: EP US)

B28D 5/0082 (2013.01 - EP US); **B28D 5/024** (2013.01 - EP US); **B28D 5/028** (2013.01 - EP US); **B28D 5/029** (2013.01 - EP US); **Y10T 83/0538** (2015.04 - EP US); **Y10T 83/778** (2015.04 - EP US)

Citation (search report)

- [XD] EP 0093406 A1 19831109 - WACKER CHEMITRONIC [DE]
- [A] SOVIET INVENTIONS ILLUSTRATED, Sektion PQ, Woche E 27, 18. August 1982 DERWENT PUBLICATIONS LTD., London, P 64.

Cited by

EP0903210A1; US6035845A; CN117086401A

Designated contracting state (EPC)

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EP 0232920 A2 19870819; EP 0232920 A3 19871104; AU 585125 B2 19890608; AU 6821487 A 19870820; DE 3604739 A1 19870820; JP S62193807 A 19870826; US 4834062 A 19890530

DOCDB simple family (application)

EP 87102096 A 19870213; AU 6821487 A 19870202; DE 3604739 A 19860214; JP 27888886 A 19861125; US 20135688 A 19880526