TDI-IP Public

3D Stack

AT405775B
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Adhesive Carrier

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Alignment

AT004207U1
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CN105283950B
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Bonding

AT409681B
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SG10201501495U
SG10201510603X
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SG193422
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TWI518758B
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US9786487B2
US9859246B2
US9899223B2
US9929124B2
US9947638B2
US9960030B2
US9984942B2

Chemical Treatment

AT408930B
EP3257071B1
US6416579B1

Chip to Wafer (C2W)

AT517747B1 CN102484100B CN103155146B CN104303281B
CN104520979B DE102012103430B4 EP2299486B1 EP2826064B1
JP5769716B2 JP5883510B2 JP6116476B2 JP6223421B2
KR101377812B1 KR101562755B1 KR101665302B1 SG10201405439U
SG164564 SG185491 TWI512940B TWI563595B
TWI600100B US8597980B2 US8927335B2 US8932910B2
US9245869B2 US9305813B2

Chuck Technology

AT407450B AT502715B1 AT503053B1 AT503702B1
AT503848B1 AT504567B1 AT506622B1 CN102092558B
CN102427916B CN103219265B CN103283000B CN103620732B
CN103718282B CN103843126B CN104364882B CN104658950B
CN104781921B CN104919584B CN106415811B DE10104319C1
DE102005051346B4 DE102006000687B4 DE102006058493B4 DE102016103270B3
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EP3005407B1 EP3161862B1 JP5421629B2 JP5528509B2
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JP5997732B2 JP6053946B2 JP6099688B2 JP6184561B2
JP6218934B2 JP6231625B2 JP6279324B2 JP6336493B2
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SG183305 SG187438 SG187439 SG187694
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TWI520198B TWI563548B TWI563549B TWI569359B
TWI593049B TWI602252B TWI603428B TWI615918B
TWI638413B TWI638422B TWI647786B TWI649826B
TWI656569 TWI662639 US10014193B2 US10049902B2
US10276409B2 US10279575B2 US10325798B2 US7547611B2
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US8156981B2 US8157307B2 US8157615B2 US8293063B2
US8349701B2 US8536020B2 US8664082B2 US8714611B2
US8802542B2 US8931624B2 US9272501B2 US9278433B2
US9312161B2 US9378996B2 US9381729B2 US9457552B2
US9613840B2 US9859246B2 US9865492B2 US9947638B2

Clean Room Technology

AT403859B

Cleaning

AT389019B AT403859B AT407450B CN102237261B
CN103828032B EP1748466B1 EP2158802B1 EP2758991B1
EP3017462B1 JP5855255B2 JP6227131B2 KR101574034B1
SG11201510784R TWI546856B TWI574335B US8828147B2
US9786487B2 US9960058B2

Cluster Technology

CN103168350B CN104395999B JP5635162B2 KR101889590B1
SG10201700176Y SG189240 SG193179 TWI604536B
US9443820B2 US9751698B2 US9771223B2

Coating

AT409348B AT409462B AT410149B AT500075B1
AT520565B1 CN103155097B CN104884176B CN105377452B
DE10200400706OB3 EP1564804B1 EP1840940B1 EP1999779B1
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US7598152B2 US7998833B2 US8586132B2 US9786487B2
US9878334B2 US9962721B2

ComBond

CN104395999B CN104508809B CN105612602B EP2847786B1
EP3161855B1 JP6085677B2 JP6379184B2 KR101739210B1
KR101889590B1 SG10201700176Y SG11201704557P TWI590485B
TWI604536B US10083854B2 US10340161B2 US9443820B2
US9673167B2 US9899223B2

Debonding

AT502233B1 AT503053B1 AT506622B1 AT519840B1
CN102388431B CN102414780B CN102612740B CN102812546B
CN103219265B CN103325715B CN103460369B CN103620732B
CN103999205B CN104362112B CN105097620B DE102006000687B4
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Device Technology

CN103348361B EP2641213B1 JP5762619B2 KR101604175B1
SG192710 US9082059B2

Diffusion

CN103548129B CN105517947B JP5889411B2 JP6173413B2
JP6336600B2 SG11201601923V SG194845 TWI557811B
US10163681B2 US9627349B2 US9911713B2

Diffusion Bonding

CN103548129B CN105517947B JP5889411B2 JP6173413B2
JP6336600B2 SG11201601923V SG194845 TWI557811B
US10163681B2 US9627349B2 US9911713B2

Exfoliation

US10049902B2

Fusion Bonding

DE202016000967U1 TWI647050B TWI649826B TWI662639

Growth Technology

US10241398B2

Hard Disc Technology

EP1972996B1 JP5048560B2 US8142701B2 US8591794B2

Hot Embossing

EP2286981B1 EP2287666B1 EP2520414B1 JP5693090B2
US10239253B2 US8741204B2 US9116424B2 US9162389B2

Hybrid Bonding

CN102822954B CN105405779B EP2372755B1 EP2597670B1
EP2654074B1 EP2654075B1 JP5802736B2 JP6272804B2
JP6272805B2 JP6272806B2 JP6272807B2 JP6282342B2
KR101388715B1 SG183818 SG189802 TWI521617B
TWI587417B TWI590348B TWI593033B TWI593034B
US9478518B2 US9640510B2

Imprint Material

EP3011390B1 JP6338657B2 TWI655246 US9981419B2

Imprint Technology

AT006925U1 AT516095B1 CA2628812C CN103959166B
CN104837611B DE102007019268B4 DE102013113241B4 DE10330456B9
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EP1986050B1 EP2058107B1 EP2286981B1 EP2287666B1
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EP2888629B1 EP2931502B1 EP3011391B1 EP3197840B1
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US9995855B2

Lamination

AT500076B1 DE102004012618B3 US8500930B2 US8875766B2

Layer Transfer

US10049902B2

Lens Molding

AT516095B1 CN103080779B CN103189172B CN104364069B
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US9194700B2 US9643366B2 US9662846B2 US9738042B2
US9817216B2 US9995855B2

Lithography Mask Technology

CN105103049B DE102012111114B4 US9653329B2

Material

AT516064B1 CN102725838B CN103021807B CN104022016B
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US9707650B2 US9911713B2 US9947638B2 US9981419B2

Mechanical Engineering

CA2822492C CN103153507B CN103260819B DE102010035150B4
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Metrology

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US9595094B2 US9984942B2

Micro Contact Printing

CN103959166B CN104185907B EP2761371B1 JP5730449B2
JP5921694B2 KR101630543B1 KR101678286B1 TWI543928B
TWI594465B US9202993B2 US9764511B2

Optics / Lithography

AT391224B AT391773B AT402863B AT505195B1
CN105103049B DE102007022895B4 DE102012111114B4 US8212989B2
US9653329B2

Permanent Bonding

AT504567B1 DE102006058493B4 JP5704783B2 US7547611B2

Plasma

CN103329247B CN103460342B CN103460343B CN103477420B
CN104488065B CN105374667B CN107078013B EP2668661B1
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JP6106239B2 JP6456400B2 JP6470313B2 KR101550121B1
KR101680932B1 KR101697028B1 KR101705937B1 KR101794390B1
KR101810310B1 SG10201605384Q SG11201607719T SG11201608771W
SG192102 SG193407 TWI530985B TWI536431B
TWI543237B TWI590341B TWI594292B US10083933B2
US6180496B1 US6645828B1 US6780759B2 US6908832B2
US8975158B2 US9159717B2 US9252042B2 US9960030B2

Run-Out Compensation chucks

CN103283000B CN103718282B CN104364882B CN104658950B
DE202016000967U1 EP2656378B1 EP2854157B1 EP3005407B1
EP3227907B1 JP5977826B2 JP6218934B2 JP6231625B2
JP6279324B2 JP6336493B2 JP6395847B2 KR101801409B1
SG11201606136U SG11201706844Q SG187694 TWI563548B
TWI563549B TWI602252B TWI647050B TWI647786B
US10014193B2 US10109487B2 US10279575B2 US10325798B2
US9312161B2 US9613840B2

Run-Out Technology

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TWI647050B TWI647786B US10109487B2 US10279575B2
US10325798B2 US8640548B2 US9312161B2 US9418882B2
US9851645B2

Slide-Off Debonding

CN102414780B JP5734278B2 KR101705917B1 TWI505398B
US8449716B2 US9138978B2

Solar Technology

CN104508809B EP2847786B1 JP6085677B2 KR101739210B1
TWI590485B US9673167B2

Stamp Technology

EP1764648B1 EP1927028B1 EP2870510B1 EP3011391B1
JP6483018B2 TWI545030B US10005225B2

Step-and-repeat

CN103959166B DE102013113241B4 EP2058107B1 EP2287666B1
EP2450175B1 EP2761371B1 JP5590785B2 JP5693090B2
JP5730449B2 KR101630543B1 SG11201604314V TWI543928B
US10088746B2 US10239253B2 US8763239B2 US9116424B2
US9764511B2

Stripping

CN102237261B TWI546856B US8828147B2

Temporary Bonding

AT500075B1 AT503053B1 AT516064B1 CN102812546B
CN103219265B CN103620732B CN104022016B CN104115267B
DE102004007060B3 DE102006000687B4 EP1564804B1 EP2381464B1
EP2523208B1 EP2523209B1 EP2733734B1 EP2979298B1
JP5623623B2 JP5714053B2 JP5763169B2 JP5997732B2
JP6066105B2 JP6099688B2 JP6140194B2 JP6316402B2
JP6516889B2 KR101454985B1 KR101476516B1 KR101742347B1
KR101856429B1 KR101913522B1 SG10201501495U SG10201510603X
SG11201404960T SG183305 SG187438 SG187439
TWI421929B TWI447793B TWI505347B TWI518758B
TWI520198B TWI614832B US10347523B2 US7598152B2
US7910454B2 US7998833B2 US8156981B2 US8293063B2
US8349701B2 US8536020B2 US8664082B2 US8802542B2
US9224630B2 US9224631B2 US9272501B2 US9381729B2
US9390956B2 US9457552B2 US9666470B2 US9941149B2

Wedge Error Compensation (WEC)

EP2612109B1 JP5650328B2 KR101583894B1 SG188343
TWI546886B US9194700B2