

Patent dataset of Orthopaedic device innovation in South Africa: a study of patenting activity

Richter, P.W. and Thomas, M.E. 2000. Implant including a body of non-resorbable bioactive material. ZA200001247A.

Roesch, T.G. 2000. Suture anchor. ZA2000/1282.

Roesch, T.G. 2002. A method of feeding a suture element. ZA200208423A.

de Villers, M. 2002. Arthroplasty implant. ZA200207516.

de Villiers, M. and Hahnle, U.R. 2002. Intervertebral prosthesis. ZA200207517.

Walker, R.M. 2003. An intervertebral prosthesis. ZA200309312A.

de Villiers, M. and Hahnle, U. 2003. A method for assembling a prosthetic disc for intervertebral insertion. US60473802.

de Villiers, M. and Hahnle, U. 2003. Intervertebral prosthetic disc. US60473803.

de Villiers, M. and Hahnle, U. 2004. Prosthetic disc for intervertebral insertion. WOUS04016789.

de Villiers, M. and Mennen, U. 2004. Digital joint arthroplasty. ZA2004/4961.

de Villiers, M.; Hahnle, U. and Hovda, D. 2004. Intervertebral prosthetic disc with metallic core. US903913.

Botha, P. J. 2004. Joint prosthesis component. US60610563P.

de Villiers, M.; Hovda, D. and Shapiro, J. 2005. Intervertebral prosthetic disc with shock absorption. US11051513.

Dall, D.M. and Miles, A.W. 2005. Configurable bone fixation system. GB0505505.

de Villiers, M. 2005. Spinal fusion device. ZA2005/02948.

de Villiers, M. 2006. Lower arm arthroplasty. ZA200607160A.

Kairinos, N. 2006. Orthopaedic pin isolator. ZA2006/04593.

de Villiers, M. and Hovda, M. 2006. Posterior spinal device and method. US60744710.

- de Villiers, M. and Hovda, D. 2006. Spinal prosthesis with offset anchors. US60820769.
- Solomons, M.W. 2006. Trapezium prosthesis. ZA2006/05686.
- de Villiers, M.; Hovda, D. and Shapiro, J. 2007. Customised intervertebral prosthetic disc with shock absorption. US11836684.
- de Villiers, M. and Hovda, D. 2007. Spinal prosthesis with multiple anchors. US11829056A.
- Hovda, D.; Arramon, Y.; Jansen, N. and de Villiers, M. 2008. Dynamic spacer device and method for spanning a space formed upon removal of an intervertebral disc. WOUS08080804.
- van der Merwe, W.M. and Wilson, D.A.J. 2008. Surgical drill aimer. ZA2008/07781.
- Albertyn, C.P. 2008. Crutch. ZA2008/6795.
- Oorthuizen, C.R. 2008. Orthopaedic prosthesis. ZA200805596.
- Arramon, Y.; Jansen, N. and de Villiers, M. 2008. Polyaryletherketone artificial intervertebral disc. US61050455.
- Jansen, N. and de Villiers, M. 2009. Artificial intervertebral disc placement system. US12504033.
- de Villiers, M.; Jansen, N. and Arramon, Y. 2009. Artificial intervertebral disc with lower height. US12400221.
- Arramon, Y.; de Villiers, M. and Jansen, N. 2009. Intervertebral prosthetic disc with shock absorbing core formed with disc springs. US12358716.
- de Villiers, M. and Jansen, N. 2009. Posterior prosthetic intervertebral disc. US12504042.
- Scheffer, C.; van den Heever, D.J.; Erasmus, P.J. and Dillon, E.M. 2009. A method of designing a knee prosthesis. ZA200903924A.
- Honiball, J.R. 2009. A positioning guide and a femur bone cutting guide system. ZA200904421.
- Honiball, J.R. 2009. A positioning guide and a bone cutting guide system. ZA200904421.
- John, L. R. 2009. Non-invasive deep muscle electromyography. ZA200905309.
- Campbell, R.I. and de Beer, D.J. 2010. Articulating prosthesis. ZA201005077A.
- de Villiers, M. and Jansen, N. 2011. Prosthetic intervertebral disc with moveable core. US13094131.

- Plugmacher, R.; Becker, G, and van Asselt, P.G.H. 2011. Surgical instrument for spreading bone. EP11167493.
- Dymond, I.W.D. and Dymond, G.F.D. 2011. A retractor for use in surgery. ZA201100153.
- Oosthuizen, C.R. 2011. A tibial component. ZA201107123.
- Vicatos, G.; Ginsberg, S.I. and Parsons, A.T. 2011. An endoprosthesis. ZA201104740.
- Honiball, J.R. 2011. An orthopaedic apparatus. ZA201107190.
- Pienaar, A.W. 2011. Device of medical readjustment. DE202011 107911.
- Gerhardt, T. 2012. Bone distractor. ZAF2012/00870.
- Gerhardt, T. and Pieterse, R.K. 2012. Flexible drive assembly and bone distraction apparatus in which the drive assemble is used. ZA201204176.
- Honiball, J.R. 2012. A positioning guide for positioning a bone cutting guide assembly and a bone cutting guide system. ZA20121993.
- Honiball, J.R. 2012. A surgical tool guide. ZA201205808.
- Brijlal, Y.; John, L.R. and Sivarasu, S. 2012. Hand exoskeleton. ZA201208238.
- Wisniewski, P. 2012. Precision use enabling forceps. US61796731.
- Vicatos, G. 2012. Rotating hinge knee prosthesis. ZA2012/01641.
- Faure, E.; Goubet, N.; Dejour, D.; Erasmus, S.; Arendt, E.; Feller, J. and Almqvist, F. 2012. Set of femoral implants for a knee prosthesis. FR12055798.
- Honiball, J.R. 2012. A bone cutting guide and a bone cutting guide system. ZA20121998.
- Patnaik, S. and Sivarasu, S. 2013. Anatomical support facilitating medical imaging of the hip, leg and knee. GB1319689.
- Birkholtz, F.F. and Beckerleg, B.J. 2013. Foot supporting device. ZA201306674A.
- Monacelli, E.; Djouni, K.D.A; Gregory, U.N. and Hamam, Y. 2014. Mechatronic system for assisting an individual in obtaining a standing position. ZA201402346.
- Tenim, S. and Vicatos, G. 2014. Underactuated prosthetic hand. GB1412034.
- Nel, L.J. and Becker, G.S. 2015. Pedicle mountable retractor system. ZA2015/04028.

- Verbeek, R. and O'Toole, B. 2015. Inter-body spacer. US62114742.
- Patnaik, S. and Sivarasu, S. 2015. Accessory for conducting patella surgery. GB1511597.
- Theunissen, H.B. 2015. A fastening device. ZA201506500.
- Badenhorst, D.L.R.H.S.; and Davis, J.H. 2015. Cervical spine traction apparatus. ZA201508967.
- Grobler, G.P. and Dower, B.J. 2015. Femoral head measurement device. ZA201502483.