Title (en)
  LANCE HOLDER

Title (de)
  LANZENHALTER

Title (fr)
  PORTE-LANCE

Publication
  EP 2252711 A1 20101124 (DE)

Application
  EP 09716569 A 20090220

Priority
  • EP 2009001240 W 20090220
  • DE 102008012554 A 20080304

Abstract (en)
  [origin: CA2716431A1] A lance holder 1 characterized by a high degree of operational safety is equipped with a mounting or a pipe fixing, which
  safely prevents a rotation even of a bent lance pipe 2 in the lance holder 1. The clamping head 3 has a fixing part 4 and a clamping part 5, which
  ensure a punctiform fixation by way of displaceable pressure elements 14, particularly in the form of spheres 15. At least three such spheres 15 are
  disposed across the circumference in a distributed manner, and ensure the safe fixation across a large tolerance range with regard to the dimensions
  of the lance pipes 2. Said large tolerance region is further secured in that sealing sleeves 6 having a larger inside diameter may be used, since the
  same are no longer deformed in the longitudinal direction in order to provide the seal, but instead are deformed in the radial direction. In summary
  the high degree of operational safety is also completed by the association of a chip 47 and/or attachment of a nanocoating 53.

IPC 8 full level
  C21C 5/46 (2006.01)

CPC (source: EP US)
  C21C 5/4606 (2013.01 - EP US); **C21C 5/462** (2013.01 - EP US); Y10T 137/7722 (2015.04 - EP US)

Citation (search report)
  See references of WO 2009109301A1

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