A new technology for the successful assembly of all flange components

Value proposition:
- Facilitating flange installation.
- Removing installation errors.
- Ensuring 100% flange installation success, regardless of operator experience.
The novel mounting devices for all flange components ensure successful assembly of all type of flange components.

Flange installation requires:
- Only 1 operator
- No previous experience
- No manual heavy-lifting of the flange components.

Flange installation guarantees:
- Safety of the assembly procedure
- Success of the assembly procedure

Technology applications:
- Assembly of all types of international standard flanges.
- All CF(ConFlat) flange components according to ISO/TS 3669 are included.
- Compatible with vacuum, compressed air, gas, water, and other media that come into contact with the assembly.
- R&D facilities and industry will profit from it.
- It has the potential to become a standard for professional associations and health insurances.
Proposal SWOT Analysis

**Strengths**
- There is no other solution/product on the market
- Devices will always guarantee a good work result
- Rework will be avoided (regardless of the user)
- Maintenance times can be planned and guaranteed
- Devices will save money and manpower
- Several prototypes are tested very successful

**Weaknesses**
- Launch a brand new product is difficult
- The market with R&D is huge, but reaching users in industry could be more difficult?
- Could be difficult to change long habits of users?

**Opportunities**
- Successful tests and very positive opinion poll
- Could be standard for all R&D facilities
- Could be standard for industrial application
- Could be fixed implemented as a work standard
- Further developments for several other applications

**Threats**
- If all weaknesses can be excluded, there are no concerns and the product and the application will speak for themselves

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IPR status of the technology:

- Development of many devices has been completed.
- Manufacturing processes have been tested.
- Several devices are tested very successful.
- Very good feedback from different users.
- Already registered pending German patent:
  https://register.dpma.de/DPMAregister/pat/register?AKZ=1020140091740

**DPMA Aktenzeichen:** DE 10 2014 009 174.0

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