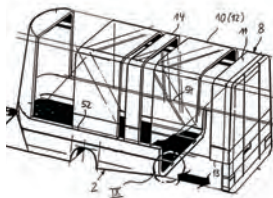


1992

System-trailer for compact cars.

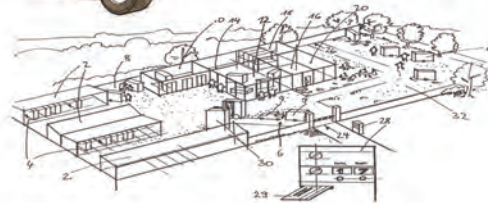
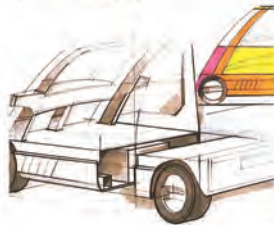
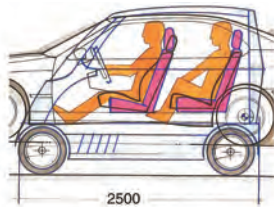
Development alliance with Dr. A. Hartmann



1992

Compact car, 2.5 m, with a „sandwich-floor“ in which the powertrain and the energy supply is integrated.

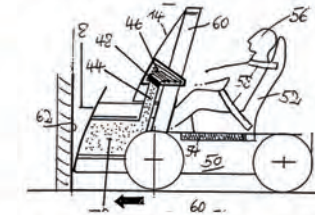
Development alliance with Dr. A. Hartmann



1992

Crash-module für compact cars with collision adaptive distortion attributes.

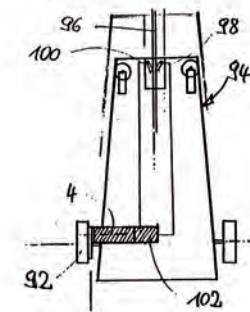
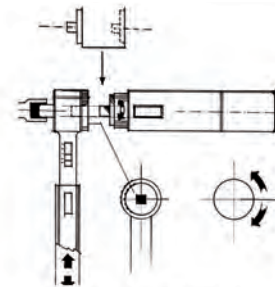
Development alliance with Dr. A. Hartmann



1993

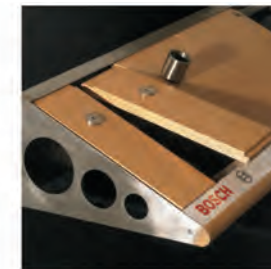
Electromotive powertrains with battery:

- Bicycle
- shopping trolley
- set of socket spanners
- elevating mechanism



1994

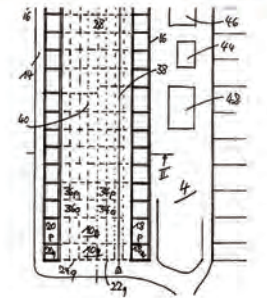
Presentation system and anti-theft protection device for electric appliances.



Systematische Ordnung für besseres Verkaufen

1994

Agrosystem for ecological, agricultural use.



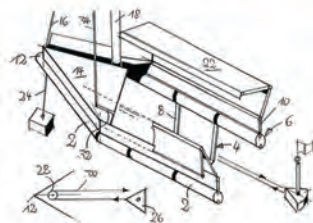
1995

System for the Presentation of goods for doors and windows.



1995

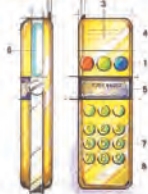
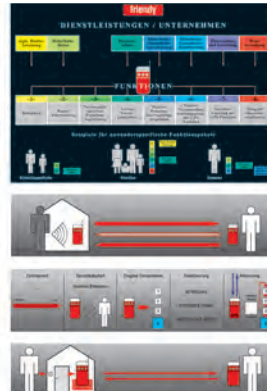
Anti-fouling system for boat hulls in docks and a security system.



1996

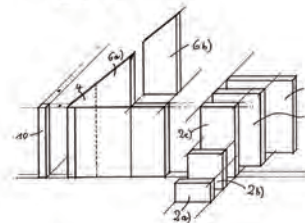
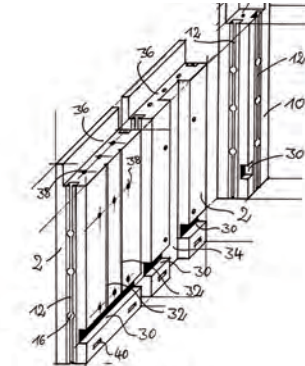
Mobile phone with GPS and security-related functions. System for passengers and freight, with transmitting and receiving unit.

Door communication via mobile phones.



1996

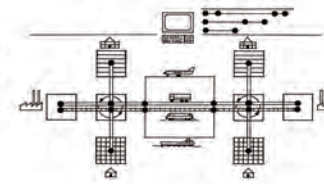
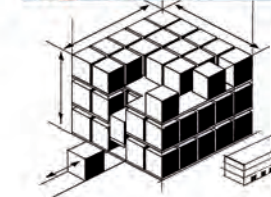
System construction. Industrial production of ceiling, wall, floor and roof elements and interconnection system.



1996

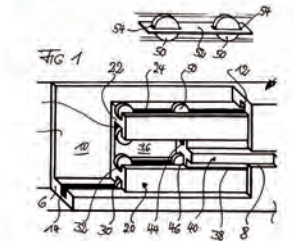
Fully automated loading and unloading system and storage for containers.

Logistic cargo cross-linking due to assessable interfaces.



1997

Pull-out systems for furniture and storage systems.



BAUER
INNOVATION

1997

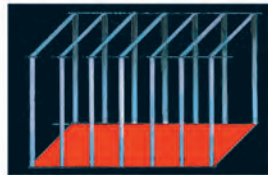
Workstation and furniture system for variable application and use.



1998

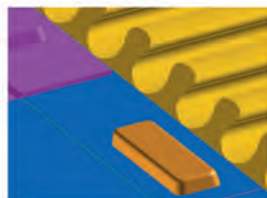
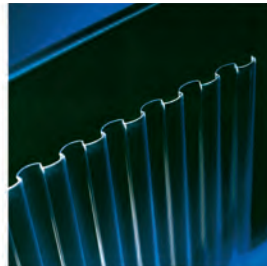
Cargo securing system for transporting goods.

Pneumatic tarps which can be rolled-on/off with an integrated securing of cargo and a streamlined surface.



1999

Detachable ceramic tile. Installation system for zero-potential laying of tiles on floors and walls.



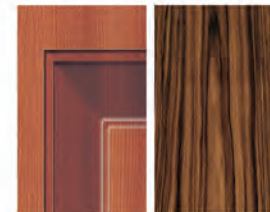
2000

Children's game series with functional experience. Playful learning and imparting of physical basic knowledge.



2000

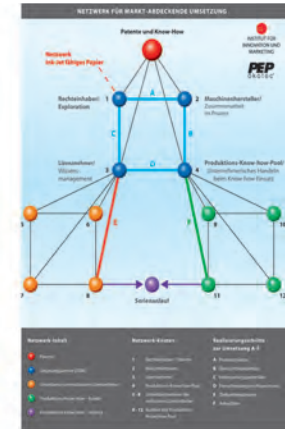
World first. Manufacturing of tropical hardwoods using local timbers and their surface finishing by means of digital systems.



2000

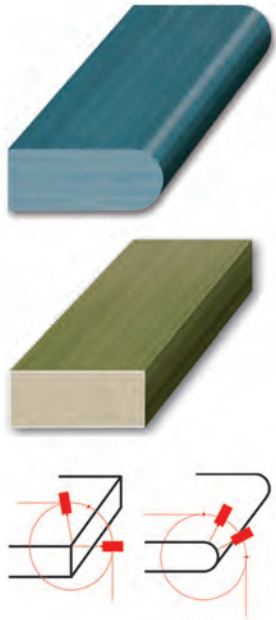
Development of a network to implement innovations in industrial production processes.

Development alliance with Siegfried K. Grammel.



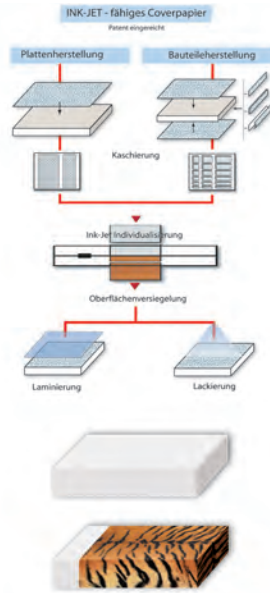
2003

Smooth individualisation of surfaces and edges of components by the ink-jet application system.



2003

Process for producing decorative panels by customisable decorative paper before the lamination.



2004

Smooth printing of 3D components using the ink-jet application process.



2005

First implementation of a digital ink-jet method in an industrial manufacturing process.

The individualisation of the kitchen furniture takes place at the end of the process chain.



2005

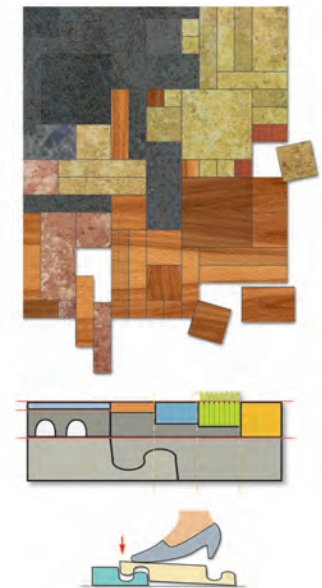
Material panel with an ink-jet-customisable surface and a surface finish.

Versions in different thicknesses and material properties.



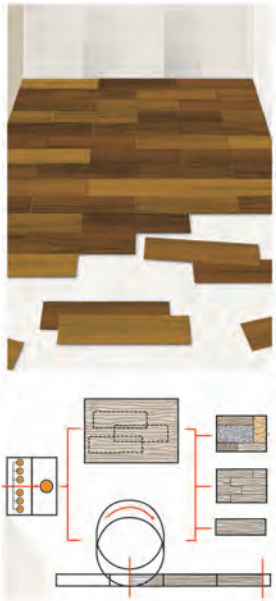
2005

Manufacturing of a planar bottom area with variable possible combinations of materials and their fast hauling due to a step-click method.



2006

Industrial mass production of unique samples. Self-generating manufacturing method according to the principle of evolution. E.G. „Genetic floor“.



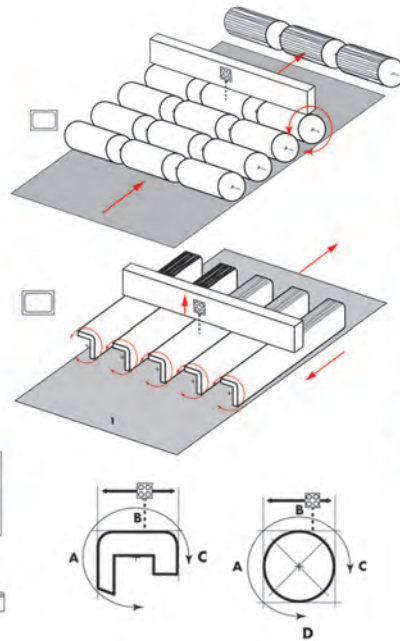
2007

First relief copier. Production of individual 3D surfaces with colour and pattern classification as well as their matte and gloss determination.



2007

Method for the individualisation of surfaces from industrial goods in a 3D ink-jet fast forward process.



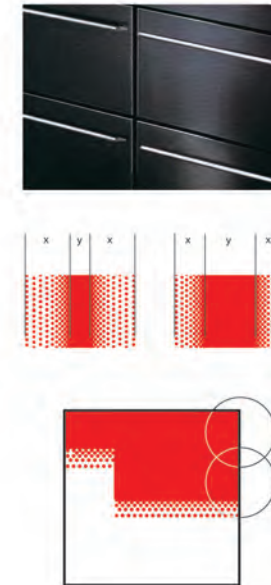
2008

First factory „high-tech factory“ for industrial production of customisable industrial goods. Basic procedures developed by Bauer.



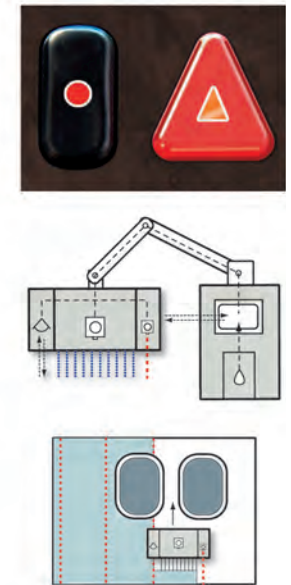
2008

Digital varnishing process. Simulation of a conventional spray on a 3D-controlled ink-jet print head. Finish without overspray.



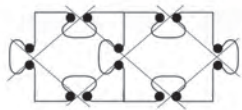
2008

Digital painting of large 3D surfaces and simultaneous application of liquids on a surface (opaque-transparent). „Marquetry finish.“



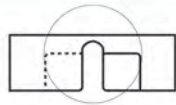
2008

Formation of compounds for pieces of a puzzle which can be combined with each other firmly and releasably to form curved bodies.



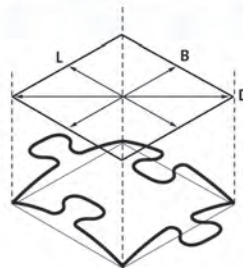
2009

Bendable, self-stabilising compounds for puzzle pieces in the formation of bodies and development of the construction systematics.



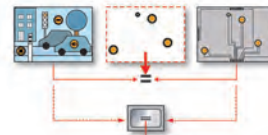
2009

Individualisation of a segmented body surface area by means of an ink-jet process applied circumferential decor.



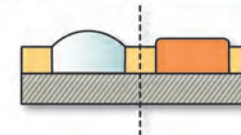
2010

Digital electronic surface. Production of a control panel with integrated electronic functions using digital procedures.



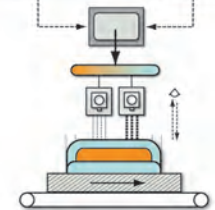
2010

Production of covering and translucent layer areas in one single production process using digital systems for switches or control displays.



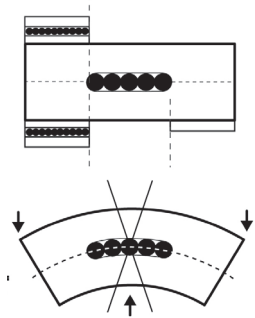
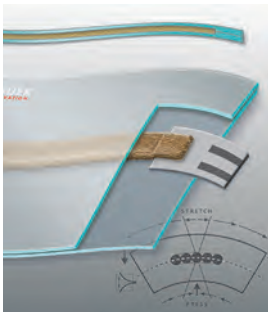
2010

Digitally controlled production of casings for conductive layer areas such as conductor tracks or electrical/electronic components.



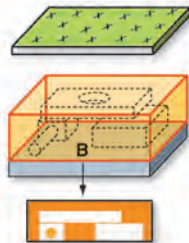
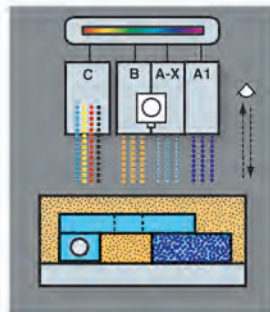
2010

Bendable and resilient electrical/electronic components with digitally produced conductive functional layers.



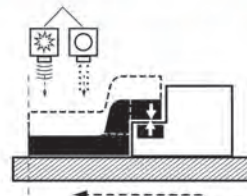
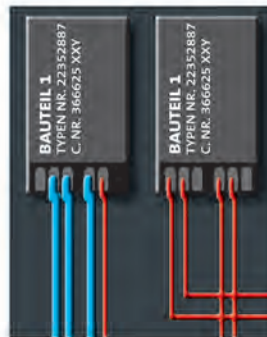
2010

3D component. Production of a layer from several layer areas with a digital application method with predetermined geometric dimensions and properties.



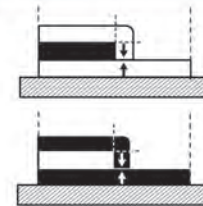
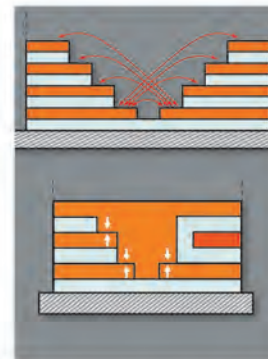
2011

Digital procedure for bonding electrical/electronic components and conductor tracks.



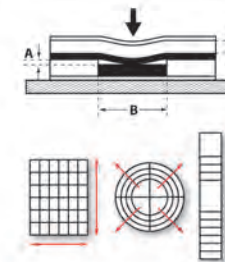
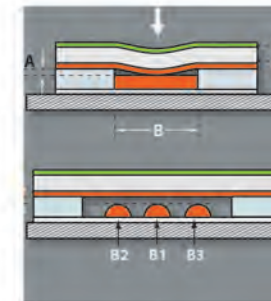
2011

Digital production of superimposed conductive and insulating layer areas and their variable contacting.



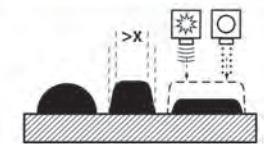
2011

Digitally produced pressure sensor areas for measuring variable key pressure for control switches or touchscreens.



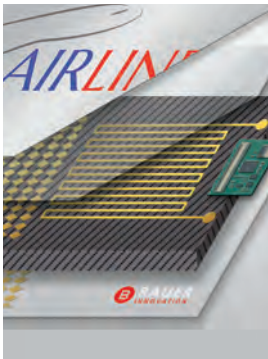
2012

Digital production of functional layers for information systems as well as power-carrying systems with high conductivity and pre-definable cross sections.



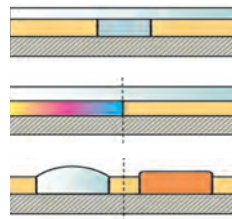
2012

Digital production of a sensor in a sandwich component. Monitoring of surfaces or detection of structural changes in components.



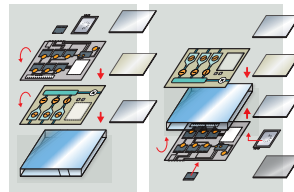
2012

Material combinations. A layer with a certain thickness is generated on a surface of a component by means of digitally controllable nozzles.



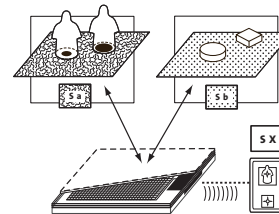
2012

3D sandwich component with a curved surface consisting of a functional layer and a decorative layer. At least one part of the surface is produced by digital printing.



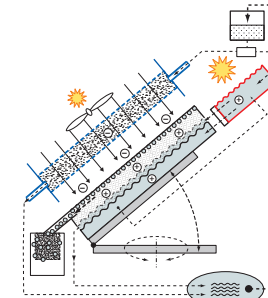
2015

Intelligent surface. Detection area for recognizing characteristic properties and positions of objects or fingers. The detection area consists of a touchpad and a changeable decorative layer.



2016

Solar-powered system for the production of drinking water from salt water or dirt water. The development is made provided free of charge worldwide. TAKE IT... MAKE IT!



2016

3D-component with a transitionless decorative or functional layer, formed on its surface by a digital process with individually controllable nozzles.

