

## NEWS RELEASE

### 新闻通稿

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## I4F further strengthens digital printing patent portfolio through partnership with Benchwick

### I4F 与 Benchwick 合作，进一步强化数字印刷专利集群

- **Unique 3D embossing digital printing technology**
- **独特的 3D 压花数字印刷技术**
- **Important addition to I4F's digital printing portfolio, already including Classen and Kronospan technologies**
- **继 Classen 和 Kronospan 技术后，I4F 数字印刷专利集群又一重要补充**

SURFACES – LAS VEGAS – USA – I4F®, a group of companies providing patents and technologies to the flooring industry, today announced a further reinforcement of its focus on the development of digital printing technologies for the global flooring industry. As part of this, the company announced a new partnership with Benchwick that facilitates the introduction of a unique digital printing technology delivering an embossed 3D effect on decorative panels.

SURFACES – LAS VEGAS – USA – I4F®, 一家专注地板行业专利和技术解决方案的集团公司，今天宣布进一步加强其在全球地板行业重点发展的数字印刷技术。作为该战略的一部分，公司宣布与 Benchwick 建立新的合作伙伴关系，引进一项独特的数字打印技术，即在装饰板材表面实现 3D 压花效果。

I4F believes this unique embossing technology, developed by Benchwick - one of China's fast growing vinyl flooring producers - takes digital printing to a higher level, and that it will play a defining role in the evolution of next-generation flooring. The possibility to produce superior 3D embossed-in-register patterns is especially important in the area of new flooring materials, making digital printing an imperative.

I4F 相信，由快速发展的中国塑胶地板生产商之一 Benchwick 开发的这种独特的压花技术将把数字印刷提升到更高的水平，并将在下一代地板产品发展中起到重要作用。对于新材料地板数字打印生产来说，能生产逼真 3D 同步压花是非常关键的。

Patent applications for this new patent family, offering a unique 3D-effect embossing structure on top of decorative panels via digital printing, have been filed in China, Europe and the United States. Further filings in other countries will follow.

这一通过数字印刷技术在装饰板材表面提供独特的 3D 压花效果的专利系列已经在中国、欧洲和美国提交专利申请，于其他国家的专利申请也将持续进行。

This new innovation adds to I4F's comprehensive digital printing portfolio already including cutting-edge, market leading technologies from Classen and Kronospan - both leaders in the field of digital printing and already delivering large volumes of products using digitally printed designs.

该项创新壮大了 I4F 已有的、包括 Classen 和 Kronospan 的前沿技术在内的全面的数字印刷专利集群。这两家公司都是数字印刷领域的领导者，并且已经销售了大量使用数字印刷技术生产的地板产品。

John Rietveldt, I4F's CEO said, "The addition of Benchwick's 3D-effect embossing technology to I4F's digital printing patent portfolio means that our licensees now also have access to the most performant and usable digital printing technologies in the industry. We strive to discover and promote new, exciting technologies for the advancement of the global flooring industry. We are driving forward the introduction of this one-of-a-kind technology that helps manufacturers deliver an impressive embossed 3D-effect on panels using digital printing. Retailers can offer their customers the wow-factor by delivering tailor-made designs with the best visual quality around today."

I4F 的首席执行官 John Rietveldt 先生表示：“I4F 在数字印刷专利集群中引入 3D 效果压花技术，意味着我们的专利用户现在可以获得行业中最高性能和最实用的数字印刷技术。我们致力于发现和推广创新的、振奋人心的技术，以促进全球地板行业的发展。我们在积极推动这项独特的技术，帮助制造商生产出令人印象深刻的 3D 效果数字印刷压花地板。生产商可以通过提供当下最具视觉效果的定制设计，为客户提供惊喜的新元素。”

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**About I4F:**

*I4F is an innovations group focused on the development of patents and technologies for the flooring industry. Its portfolio includes IP for flooring installation and wall mounting systems, material compositions, surface treatment, digital printing as well as laminate and board production technologies. I4F has strategic partnerships with the industry's most important IP players, including Classen, Kronospan, HMTX, UWC, Kowon, CFL Flooring, Tarkett, Kingdom Flooring, Lico and Benchwick. The company's flagship technologies, 3L TripleLock® and Click4U®, provide a unique one piece drop-lock installation technique for flooring panels that eliminates the need for an additional insert on the short side. The solution is suitable for laminate, luxury vinyl tiles, expanded polymer core, solid polymer core and wooden flooring panels. International patents and patent applications for I4F's technologies have been granted and filed in over 100 countries worldwide. Visit [I4F.com](http://I4F.com)*

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*I4F 是一家致力于地板行业专利和技术研发的高新技术集团，其专利组合包括地板安装和墙板安装，材料配比，表面处理，数字印刷，强化地板以及板材生产技术的知识产权。I4F 与行业内顶级的知识产权领导者 Classen, Kronospan, HMTX, UWC, Kowon, CFL Flooring, Tarkett, Kingdom Flooring, Lico 及 Benchwick 建有战略合作关系。公司的旗舰技术 3L TripleLock® 和 Click4U® 锁扣*

技术为地板安装提供了独一无二的整体直落式锁扣安装系统，短边安装不再需要额外的塑料插条。该技术适用于强化地板、LVT、WPC、SPC、多层实木地板和实木地板，I4F 已经在全球 100 多个国家为其相关技术申请了专利保护。官网：[www.i4f.com](http://www.i4f.com)