



## Press Release

### European Patent Granted for CILIAN production platform

#### Münster, Germany, November 22 2006:

Cilian AG today announced that it has received notice from the European Patent Office that Patent EP1360306B1 has been granted under the Patent Cooperation Treaty (PCT). This patent addresses the DNA sequences of the enzyme phospholipase A1 of Ciliate Tetrahymena, and the use thereof. This enzyme is key as a signal peptide for the production of proteins in the Ciliate expression platform.

“This is the second patent for our signal peptide” said Dr. Marcus Hartmann, CSO of CILIAN “Our worldwide Intellectual property strategy has been very successful and we are pleased to announce such an important patent for our novel lead program.” Remco Brandt, M.Sc., CEO of CILIAN added, “Since its inception CILIAN has invested tremendous amounts of time and effort in this new and excellent platform. With the granting of this patent, together with the granting of the US patent earlier this year, Cilian has protected her main markets.”

#### About Cilian AG

Founded in 2001 by Marcus Hartmann and partners, Cilian is an emerging biotechnology company developing and marketing a novel expression system. The Company uses a species of Ciliates, a eukaryotic single-cell organism, for the production of enzymes and therapeutic proteins. Besides the expression platform Ciliates are also the basis for a new enzyme preparation, which will be developed by the company for the enzyme replacement therapy in the case of maldigestion. Leveraging the unique capabilities of the Ciliates, the Company aims to produce proteins at an unmatched quality and price, thereby fulfilling its mission to improve human health by facilitating access to biopharmaceuticals.

For further information, visit [www.cilian.com](http://www.cilian.com) or contact:

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**Europäisches  
Patentamt**

**European  
Patent Office**

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# Urkunde    Certificate    Certificat

Es wird hiermit bescheinigt, dass für die in der Patentschrift beschriebene Erfindung ein europäisches Patent für die in der Patentschrift bezeichneten Vertragsstaaten erteilt worden ist.

It is hereby certified that a European patent has been granted in respect of the invention described in the patent specification for the Contracting States designated in the specification.

Il est certifié qu'un brevet européen a été délivré pour l'invention décrite dans le fascicule de brevet, pour les Etats contractants désignés dans le fascicule de brevet.

**Europäisches Patent Nr.**

**European Patent No.**

**Brevet européen n°**

1360306

**Patentinhaber**

**Proprietor of the Patent**

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22.11.06

München, den  
Munich,  
Fait à Munich, le

Alain Pompidou

Präsident des Europäischen Patentamts  
President of the European Patent Office  
Président de l'Office européen des brevets



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(54) **EINE DNA-SEQUENZ DES ENZYMS PHOSPHOLIPASE A1 AUS DEM CILIATEN TETRAHYMENA UND DIE VERWENDUNG DIESER**

DNA SEQUENCE OF THE ENZYME PHOSPHOLIPASE A1 OF CILIATE TETRAHYMENA, AND THE USE OF THE SAME

SEQUENCE D'ADN DE L'ENZYME PHOSPHOLIPASE A1 DU CILIE TETRAHYMENA ET SON UTILISATION

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(56) Entgegenhaltungen:  
• GUBERMAN A ET AL: "A method for the preparation of Tetrahymena thermophila phospholipase A1 suitable for large-scale production." JOURNAL OF APPLIED MICROBIOLOGY, Bd. 86, Nr. 2, Februar 1999 (1999-02), Seiten 226-230, XP002208203 ISSN: 1364-5072  
• HARTMANN M ET AL: "Screening for and characterization of phospholipase A1 hypersecretory mutants of Tetrahymena thermophila." APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, Bd. 54, Nr. 3, September 2000 (2000-09), Seiten 390-396, XP002208204 ISSN: 0175-7598  
• DATABASE WPI Derwent Publications Ltd., London, GB; AN 1998-391046 XP002208205 R.  
KOISHI ET AL: "Aspergillus-derived phospholipase A1 gene - used for the recombinant production of phospholipase A of high purity and in a high yield" & JP 10 155493 A (SANKYO CO LTD), 16. Juni 1998 (1998-06-16)