

LIST OF PATENTS

PD DR.-ING. CAI-NICOLAS ZIEGLER – APRIL 05, 2010

GRANTED AND PENDING PATENTS¹

Cai-Nicolas Ziegler, Michael Jäger; *Method and Apparatus for Software Architecture Analysis Using Eigenvector-based Methods in Detecting Authoritative Software Components*; filed October 2008; to become US patent.

Cai-Nicolas Ziegler, Hans Röttger; *Apparatus for Automated Computation of Semantic Similarity of Pairs of Named Entity Phrases Using Electronic Document Corpora as Background Knowledge*; filed October 2008, internal pat. no. 2008P08855 US.

Andrea Ghio, Cai-Nicolas Ziegler, Sebastian Althen, Martin Kessner, Michael Sax; *Verfahren zur Verkehrsvorhersage auf Basis der Buchungswerte bei öffentlichen Verkehrsmitteln*; filed September 2008.

Cai-Nicolas Ziegler, Andrea Ghio, Sebastian Althen, Martin Kessner, Michael Sax; *Apparatus for Automated Detection of Car Incidents in Closed Passages by Means of Micro- and Macro-Level Reasoning Based on Statistical Modelling and Machine Learning*; filed September 2008; to become US patent.

Cai-Nicolas Ziegler, Jochen Grimminger, Martin Beyerle. *Apparatus for Detection and Alerting of Anomalies in Electronic Invoice Management Systems*. Filed May 2008; to become US patent.

Peter Suda , Cai-Nicolas Ziegler, Michal Skubacz. *A System for Analysis of Named Entities Importance in Different Contexts Based on Examination of Collections of Text Documents Using Hierarchical Taxonomies of Named Entities*; filed October 2007; to become US patent.

Cai-Nicolas Ziegler, Michal Skubacz, Peter Suda. *Method for Automated Comparison of Product Portfolio Prestige Using Search Engines*; filed October 2007; to become US patent.

Cai-Nicolas Ziegler, Michal Skubacz, Peter Suda, Karl Klug, Jürgen Totzke. *Apparatus for Automated Comparisons of Companies Based on Prices of Equivalent Products Using Web Information Such as Price Finder Robots*; filed October 2007; to become US patent.

Cai-Nicolas Ziegler, Michal Skubacz, Peter Suda, Karl Klug, Jürgen Totzke, Bernhard Dombrowski. *Apparatus for Automated Tracking of Changes on Web Pages Using Content Extraction Approaches for Identifying Corresponding Pages and Modifications Made*; filed June 2007; to become US patent.

¹ All listed inventions made and patents filed while at Siemens Corporate Research & Technologies (November 2005 until October 2008)

Michal Skubacz, Peter Suda, and Cai-Nicolas Ziegler. *Apparatus for Context-dependent Calculation of Sentiment Towards a Given Topic Expressed in Collections of Text Documents*; filed May 2007; to become US patent.

Cai-Nicolas Ziegler, Michal Skubacz. *Method and Apparatus for Extraction of Textual Content from Web Documents*; filed March 2007; USPTO Application #20090030891; patent agent: Staas & Halsey LLP.

Cai-Nicolas Ziegler, Michal Skubacz. *Method for Effective Drill-Down Operations in Text Corpus Visualization and Exploration Using Language Model Approaches for Keyphrase Weighting*; filed January 2007; USPTO Application #20080243482; patent agent: Staas & Halsey LLP.

Cai-Nicolas Ziegler, Ekkehard Bender. *Method and Apparatus for Automatic Ranking of Nodes in a Relationship Network*; filed August 2006; to become US and European patent.