Defensive Publication

Public technical disclosure with timestamp — prevents third-party patenting (prior art)

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Entwurfsfassung zur Vorlage bei Patent- und Markenanwaltskanzlei. Diese Fassung ersetzt keine anwaltliche Beratung.

1. Purpose

This defensive publication fully discloses the technical system described herein in order to establish it as prior art. After the publication date documented below, third parties can no longer obtain a patent on the same or an obviously equivalent solution. The disclosure is additionally published at https://socioloverse.ai/patent-pending.

2. Publication date

First publication: 2026-06-18 · **Author:** Dr. Stephan Pflaum · **URL:** https://socioloverse.ai/patent-pending

3. Full technical disclosure

The disclosed system consists of four tightly coupled building blocks producing a new technical effect in combination (significantly reduced hallucination rate together with domain-faithful style and multilingual parity):

3.1 Multi-world resolver

A client-side function reads the HTTP hostname and maps it to one of five predefined domains (socio · econo · psycho · edu · politi). All content tables of the relational database carry a mandatory world column with default 'socio' and a CHECK constraint. Edge functions accept world as body parameter and inject a domain-specific persona block and a canonical inspiration block (~50 classical thinkers per discipline plus a cross-disciplinary counter-canon) into the prompt.

3.2 Triangulation pipeline

Content generation is distributed across four independent language models in this order: (1) author — Google Gemini; (2) sources — Perplexity Sonar with date window, academic allow-list and citations postfilter; (3) calibrator — Mistral as second voice for tonality and forbidden-phrase check; (4) fallback calibrator — DeepSeek as third voice, invoked automatically when Mistral fails or rating uncertainty $|\Delta| > 0.7$.

3.3 Luhmann prompt system

Four guiding principles are enforced in every system prompt: sparring not oracle · iteration not one-shot · context beats cleverness · human in the loop. Operationally implemented through 6-point check, negative constraints, forbidden-phrase list, plan 3 (task/target format/forbidden/example). Content production follows a sequential 6-step routine (outline → annotation → loose writing → scientific enrichment with traffic-light system → consolidation → polish).

3.4 Sparring floating layer

A client-side React component (SociologicaFloating) is embedded across the routing system and present on every route. It reads the active page context and responds with PSI sensitivity in at least six stylistic states (urging · self-critical · dramatising · cool-rational · empathic · suspicious). On detecting predefined crisis signals it routes to external help lines — never diagnoses or pathologises.

4. Distinction over prior art

- Unlike pure LLM wrappers: four independent models in triangulation, not a single one.
- Unlike classical RAG systems: domain allow-list + citations postfilter + date window on the retrieval side.
- Unlike multi-tenant CMS: hostname-based domain resolver with domain-specific persona injection and canonical inspiration block.
- Unlike classical chatbots: route-overarching sparring layer, context-aware, PSI-sensitive, with crisis-signal routing.
- **Studera (https://stud-life-cycle.com)**: phase-adaptive study lifecycle companion with a three-question wizard, five phase categories (orientation · doubt · writing · application · first day at work), no-account mode with IP-based abuse blocking, exactly three concrete next steps per run, crisis-signal routing for student-specific situations. Shared AI pipeline with the SocioloVerse sister worlds.

5. Legal effect

This publication satisfies the requirements of a defensive publication within the meaning of DPMA, EPO and USPTO practice. An additional filing at IP.com or Research Disclosure is recommended but not required, since this public internet publication with verifiable date (Wayback Machine, sitemap, git history) already constitutes prior art under § 3 PatG / Art. 54 EPC.

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