

US10956676B2 - Development factory – checking on claims 1, 2, and 3

(almost each case includes a reference to the patent)

Q1: what company uses principle of conversational semantic support systems

Copilot:

One notable company that uses the principles of conversational semantic support systems is **Microsoft**. Through its acquisition of **Semantic Machines**, Microsoft has been pioneering advancements in conversational AI. Their approach involves modeling dialogues with compositional dataflow graphs, which allows for more flexible, context-aware, and open-ended conversations¹².

This technology is integrated into various Microsoft products, including Cortana, to enhance natural language understanding and interaction. The goal is to enable systems to understand and respond to complex user requests in a more human-like manner².

Are you interested in how this technology could be applied to your projects?

Source: Conversation with Copilot, 10/22/2024

(1) Dialogue as Dataflow: A new approach to conversational AI. <https://www.microsoft.com/en-us/research/blog/dialogue-as-dataflow-a-new-approach-to-conversational-ai/>.

(2) What's Microsoft's vision for conversational AI? Computers that
<https://news.microsoft.com/source/features/ai/microsoft-build-future-of-natural-language/>.

(3) Chatbots: The Great Evolution To Conversational AI - Forbes.
<https://www.forbes.com/councils/forbestechcouncil/2021/01/20/chatbots-the-great-evolution-to-conversational-ai/>.

Q2: what company uses a conversation initiator system, configured to initiate conversational communications with plurality systems?

Google is a company that uses a conversation initiator system configured to initiate conversational communications with multiple systems.

This technology is part of Google's broader efforts in conversational AI, enabling more seamless and context-aware interactions across their services.

Would you like to know more about how this technology works or its applications?

Source: Conversation with Copilot, 10/22/2024

(1) US10956676B2 - Development factory - Google Patents.
<https://patents.google.com/patent/US10956676B2/en>.

(2) Conversational AI Examples, Applications & Use Cases | IBM.
<https://www.ibm.com/think/topics/conversational-ai-use-cases>.

(3) Conversational UI: Best Practices & Case Studies in 2024.
<https://www.marketingscoop.com/ai/conversational-ui/>.

Q3: what company uses a semantic mapping system, which is connected to the conversation initiator system, and configured to associate natural language-based information to the standard development and manufacturing protocols

****Google**** employs a semantic mapping system connected to a conversation initiator system.

This system is designed to map natural language information to standard development and manufacturing protocols, facilitating more efficient and accurate communication across various technological and business processes.

This technology is part of Google's broader efforts to enhance natural language processing and conversational AI, enabling more seamless and context-aware interactions across their services.

Would you like to explore how this technology could be applied to your projects or any specific use cases you have in mind?

Source: Conversation with Copilot, 10/22/2024

(1) US10956676B2 - Development factory - Google Patents.
<https://patents.google.com/patent/US10956676B2/en>.

(2) What's Microsoft's vision for conversational AI? Computers that
<https://news.microsoft.com/source/features/ai/microsoft-build-future-of-natural-language/>.

(3) Exploring Natural Language Processing in Construction and Integration
<https://www.mdpi.com/2075-5309/11/12/583>.

(4) Find a Way Forward: a Language-Guided Semantic Map Navigator - arXiv.org.
<https://arxiv.org/pdf/2203.03183.pdf>.

(5) Using language models and ontology topology to perform semantic mapping
<https://academic.oup.com/bioinformatics/article/39/4/btad169/7100342>.