

Title (en)
HIGH-BANDWIDTH UNDERSEA COMMUNICATION

Title (de)
UNTERSEEISCHE KOMMUNIKATION MIT HOHER BANDBREITE

Title (fr)
COMMUNICATION SOUS-MARINE À LARGE BANDE PASSANTE

Publication
EP 3304640 A1 20180411 (EN)

Application
EP 16804120 A 20160527

Priority
• US 201562168202 P 20150529
• US 2016034652 W 20160527

Abstract (en)
[origin: WO2016196291A1] Described are methods, apparatuses, and networks for propagating a wireless signal in an electromagnetically-attenuating ionic solution, e.g., suitable for high bandwidth undersea communications. For example, the method may include transmitting a signal into the electromagnetically-attenuating ionic solution by applying a time-varying excitation field to the electromagnetically-attenuating ionic solution. The signal may correspond to the time-varying excitation field. The time-varying excitation field may include one or more of: an electrical component and a magnetic component. The method may include receiving at least a portion of the signal from the electromagnetically-attenuating ionic solution. The signal may be wirelessly propagated in the electromagnetically-attenuating ionic solution.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2016196291A1

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Designated extension state (EPC)
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