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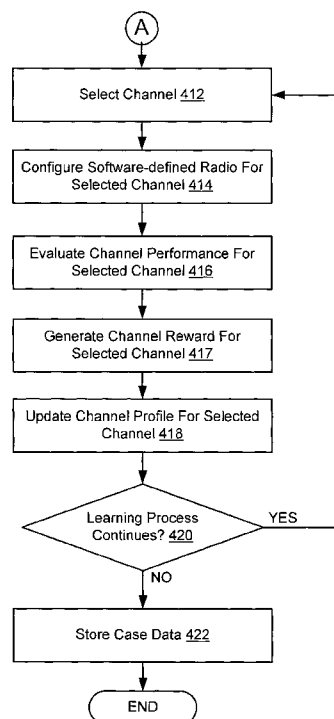
(54) **Title:** OPTIMIZING VEHICULAR DYNAMIC SPECTRUM ACCESS USING CASE-BASED LEARNING TECHNIQUES

Figure 4B

(57) **Abstract:** A system and method for optimizing spectrum access in data communications is disclosed. The system comprises a case module, a selection engine, an evaluation module and an update module. The case module determines a present case based at least in part on sensor data and environmental data, determines a matching case for the present case and configures one or more channel profiles for the present case based at least in part on the matching case. The selection engine selects a first channel based on the one or more channel profiles. The first channel is associated with a first channel profile from the one or more channel profiles. The evaluation module evaluates a first channel performance for the first channel and generates a first channel reward for the first channel. The update module updates the first channel profile based at least in part on the first channel reward.



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