

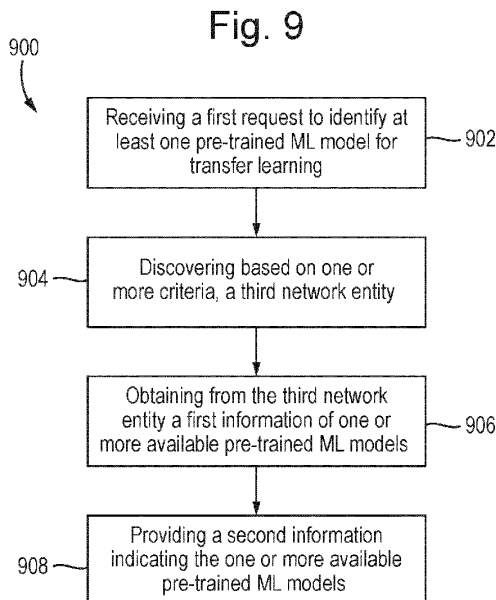


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(54) **Title:** TRANSFER LEARNING IN APPLICATION LAYER MACHINE LEARNING TASKS IN A WIRELESS COMMUNICATION NETWORK



(57) **Abstract:** Various aspects of the present disclosure relate to a method (900) performed by a first network entity, comprising: receiving (902), from a second network entity, a first request to identify at least one pre-trained machine learning 'ML' model for transfer learning, the transfer learning for a ML model task, wherein the first request comprises one or more criteria for identifying the at least one pre-trained ML model; discovering (904), based on the one or more criteria, a third network entity for indicating the availability of pre-trained ML models; obtaining (906), from the third network entity, a first information of one or more available pre-trained ML models based on the one or more criteria; and providing (908), to the second network entity, a second information indicating the one or more available pre-trained ML models as pre-trained ML models for the transfer learning for the ML model task.

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