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(54) **Title**: TECHNIQUES TO NEGOTIATE CAPABILITIES BETWEEN NETWORKED DEVICES

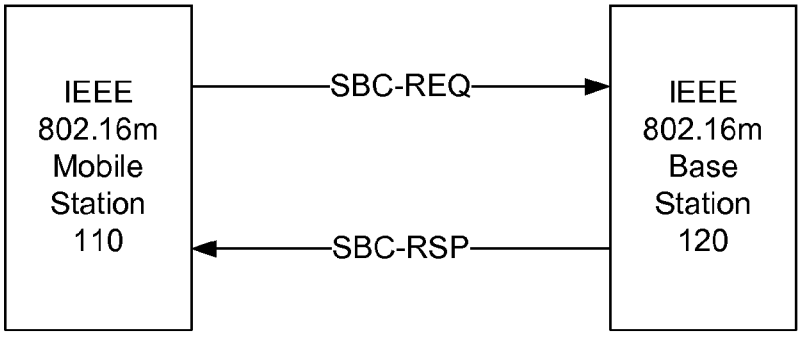


FIG. 1

(57) **Abstract**: Techniques for signaling capabilities of a mobile station using a capabilities index as well as a fall back mechanism in case of system failure. The capabilities index can represent multiple capabilities of the mobile station. A mobile station can signal to the base station the mobile station's capabilities using a capability index. A base station can interpret the capability index from the mobile station to learn the capabilities of the mobile station. The base station can signal to the mobile station the base station's supported capabilities using a capabilities index. The capabilities utilized between the base station and mobile station are set according to the base station's signaled capabilities.

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