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**HUANG et al.**(10) **Pub. No.: US 2023/0232405 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **UPLINK REFERENCE SIGNAL  
ASSOCIATION METHOD AND  
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(57) **ABSTRACT**

An uplink reference signal association method and a communication apparatus. The method includes: a first network device generates first configuration information, where the first configuration information indicates an association relationship between uplink reference signals simultaneously sent on different carriers, and the uplink reference signals having the association relationship share an antenna port or the uplink reference signals having the association relationship have a phase difference. The first network device sends the first configuration information to a terminal device. Through implementation, configuration of a large-bandwidth uplink reference signal can be implemented.

