

ABSTRACT OF THE DISCLOSURE

A resin-bond wire saw in which abrasive grains are fixed to a surface of a wire with a resin bond containing a novolak-type phenol resin, a resol-type phenol resin, and an amine-based silane coupling agent. The resin bond shows a plurality of peaks at intervals of 208 (m/z) that represent fragments in cations in Matrix-Assisted Laser Desorption Ionization-Time Of Flight-Mass Spectrometry (mass spectrometry) and a peak that corresponds to a softening point at 175°C to 182°C in Thermogravimetry and Differential Thermal Analysis (differential thermal analysis).

[Selected drawing] FIG. 4