CLAIMS

1. An Al bonding wire consisting of Fe, at least one of Mn and Cr, and a balance, wherein

the Al bonding wire comprises 0.02 to 1% by mass of Fe and further 0.05 to 0.5% by mass in total of at least one or more of Mn and Cr, with the balance comprising Al and inevitable impurities, wherein

a total content of Fe, Mn and Cr in solid solution is 0.01 to 1% by mass.

2. The Al bonding wire according to claim 1, wherein an average crystal grain size in a cross-section perpendicular to a wire longitudinal direction is 0.1 to 50 μm.

3. The Al bonding wire according to claim 1 or 2, wherein in a cross-section perpendicular to a wire longitudinal direction, an area ratio of a crystal having a crystal orientation <111> angled at 15 degrees or less to a wire longitudinal direction is 30 to 90%.

4. The Al bonding wire according to any one of claims 1 to 3, wherein the Vickers hardness of the wire falls within a range from Hv20 to 40.

5. The Al bonding wire according to any one of claims 1 to 4, wherein a wire diameter is 50 to 600 μm.