

ABSTRACT

METHOD OF MANUFACTURING PERMANENT MAGNET

Crystal fractured surfaces of raw meal powder having more equal crystal orientation relationship in the magnetic field are arranged to be assembled together so that a method of manufacturing a permanent magnet which has an extremely high degree of orientation can be provided. In this invention, raw meal powder (P) is filled into a cavity (22), the raw meal powder (P) is oriented in the magnetic field while being pressed or urged by pressing means (5) that has a smaller area than the cross-sectional area of the cavity. Semi-finished product thus oriented is compression-molded into a predetermined shape in the magnetic field.

Figure 1.