

Process and System for Recycling and Resizing Abrasive Blast Material

Abstract

The present invention provides a process and a system for recycling used abrasive materials which are used in sandblasting for surface preparation of structural steel. The process and system used in the invention involves a first sieving machine for separating debris from the used abrasive mixture to obtain abrasive materials. A smelting furnace smelts the abrasive materials into molten state and molds the abrasive materials in the molten state into an abrasive block, and a rock crusher for forging the abrasive block into crushed particle, which is similar to new abrasive materials, for reuse in sandblasting.

Figure 1



162162



G00002