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APPARATUS FOR GRINDING SPHERICAL OBJECTS

ABSTRACT OF THE DISCLOSURE



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Disclosed is an apparatus for grinding spherical objects into an exact spherical shape. The sphere-reshaping apparatus comprises a grinding section equipped with means for grinding spherical objects, an inlet section equipped with means for feeding spherical objects to the grinding section and an outlet section equipped with means for taking out reshaped spherical objects from the grinding section. The inlet section, grinding section and outlet section communicate by transporting means. The transporting means comprises an endless carrier belt having a series of apertures made for accepting spherical objects and a drive for driving the endless carrier belt. In the grinding section an endless grinding belt runs parallel with the endless carrier belt in same or counter direction relative to the endless carrier belt at such a speed that causes spherical objects to rub on the grinding belt. A randomizer moves back and forth across the carrier and grinding belts to sandwich spherical objects between the randomizer and the grinding belt, thereby assuring deviation-free grinding of spherical objects.

Figure 1