

A method of utilization of tyres and device for its realization is disclosed. The method of the utilization of tyres, mainly worn tyres, includes supply of worn tyres in pyrolytic column, their induction heating to the temperature of thermal decomposition of rubber, removal of volatile products, which are formed during thermal decomposition of rubber, cooling solid residues of the products of thermal decomposition of rubber and their removal from the loading column, in this case the tyres are preliminarily divided into parts, which then are supplied into the pyrolytic column through the loading door, and induction heating of the parts of tyres is achieved by inductive currents in the metal cord of the parts of tyres by variable magnetic field with a frequency of 1-1000 kHz. Device for utilization of tyres, mainly worn tyres, has series-connected between them means for supply of tyres, pyrolytic column equipped with tubular inductor and means for release of gaseous and solid products of rubber pyrolysis, in this case the device is equipped with high-frequency generator of electric current, to which is connected a tubular inductor, means for supply of tyres is made in the form of a feed bin, that communicates from the pyrolytic column by means of the charging door and the loading worm, and the means for release of solid products of pyrolysis is made in the form of discharge worm.