

ABSTRACT

In a method for treating waste products and recycling
5 products of solid organic or inorganic materials or
composite materials or mixtures thereof, a breaking-up or
separation of the components by means of an impulse is
effected in the composite material or the mixture by a
device which suddenly interrupts the flow of said composite
10 material or mixture. Process air is fed in a counter-
rotating, rising flow path (34) into the spiral-like
downward transport path (32) generated in a rotor (26)
having a vertical axis (A), and a shockwave is claimed to
be generated between the layers of the composite material
15 against a deflector wall of the rotor (26). In addition,
two radially spaced, coaxially arranged wall faces rotate
relatively to one another about their axis and the
composite materials or mixtures moved by centrifugal forces
are moved and broken up between deflector faces projecting
20 radially from the deflector walls.

Fig. 4