



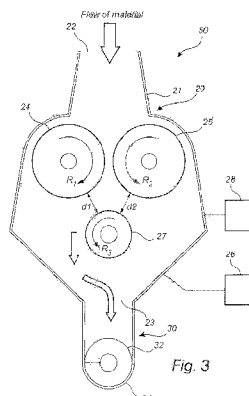
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 (54) Title: A system for feeding lignocellulosic biomass material to a hydrolysis or pre-hydrolysis process
 (56) Cited documents: US 5637836 A · FR 2362668 A · US 5302102 A · SU 1388481 A2 · US 20090221814 A1 · SU 914670 A
 (57) Abstract:

According to the present invention, a feeding arrangement (20; 40) for feeding lignocellulosic biomass material such as annual plant material to a hydrolysis process comprises at least one transportation device (24, 25; 41) for transporting the biomass material towards the treatment process; and at least one tearing roll (27; 47; 47a, 47b; 77; 87) arranged at a predetermined distance from the at least one transportation device (24, 25; 41) and being provided with tearing protrusions, the at least one tearing roll (27; 47; 47a, 47b; 77; 87) being arranged with a predetermined distance to the at least one transportation device (24, 25; 41) to tear off parts of the transported material to provide a substantially continuous flow of material.



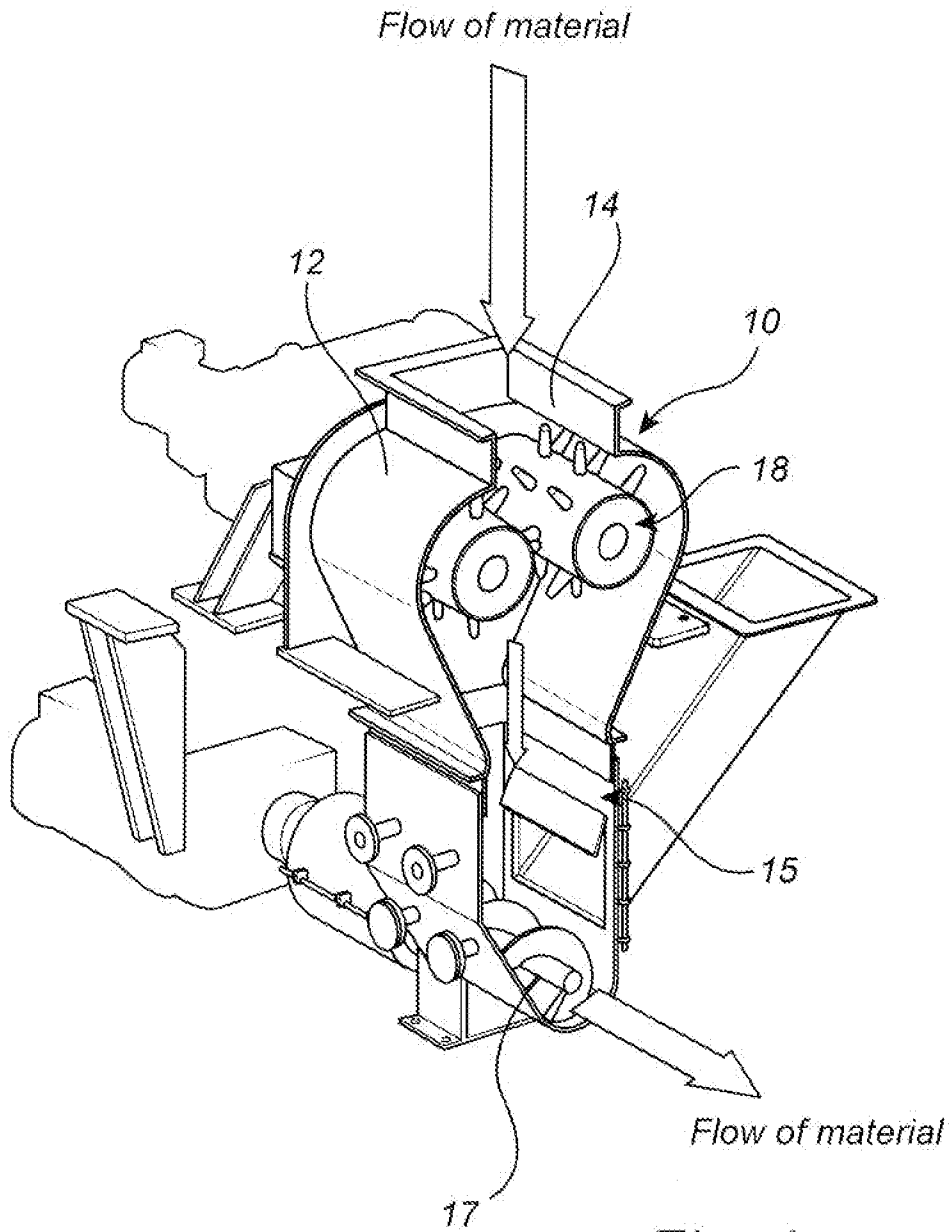


Fig. 1

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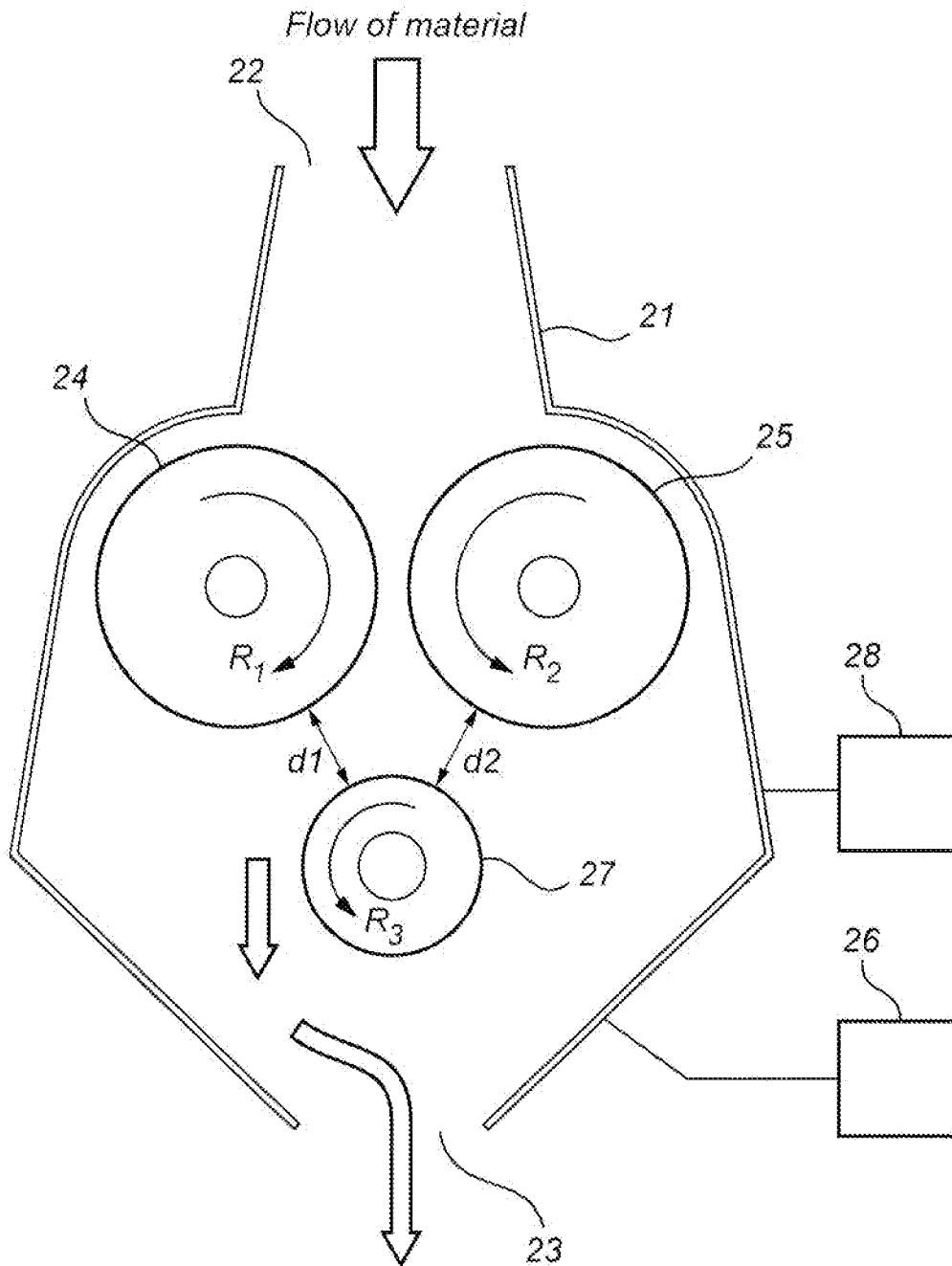
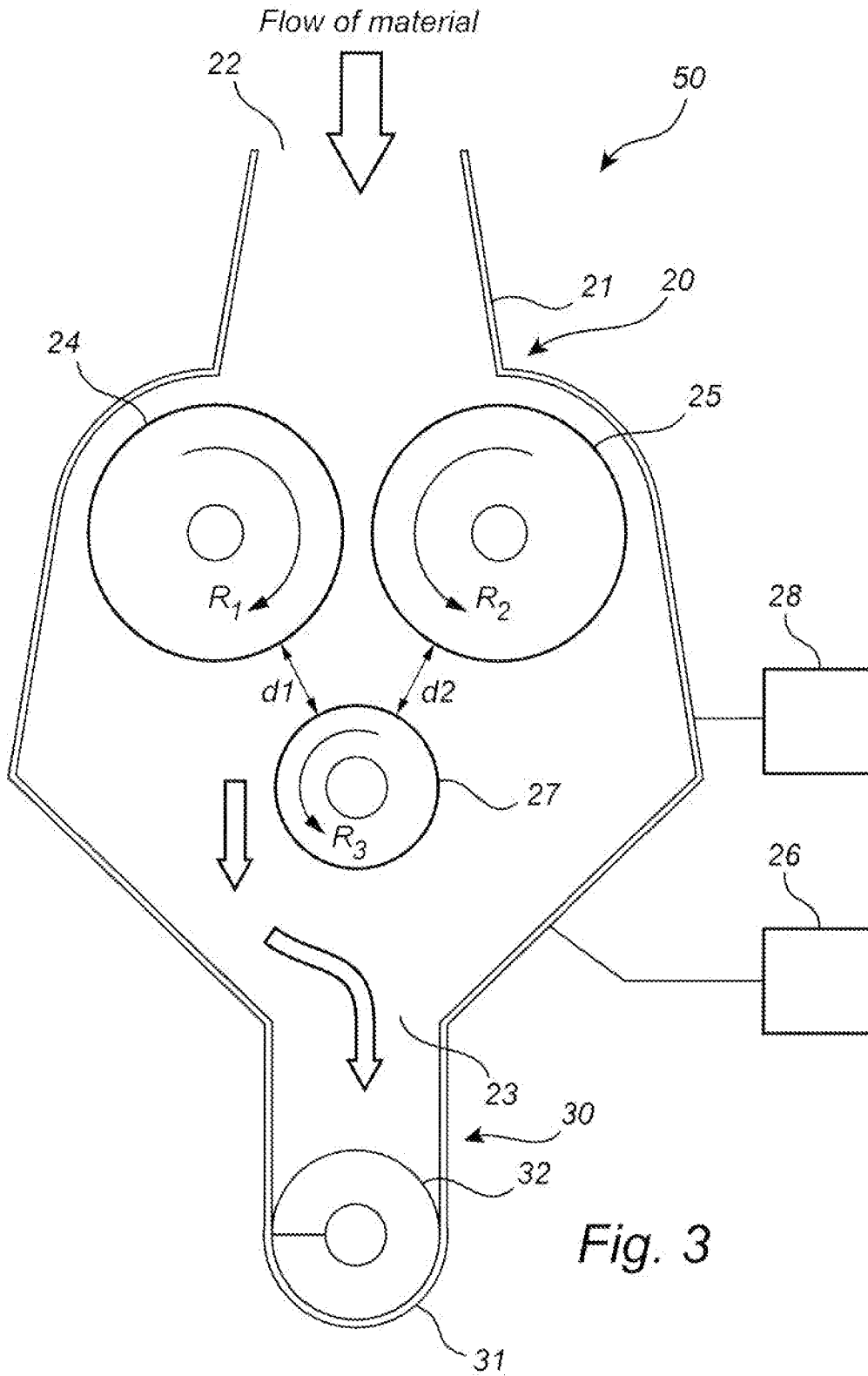


Fig. 2



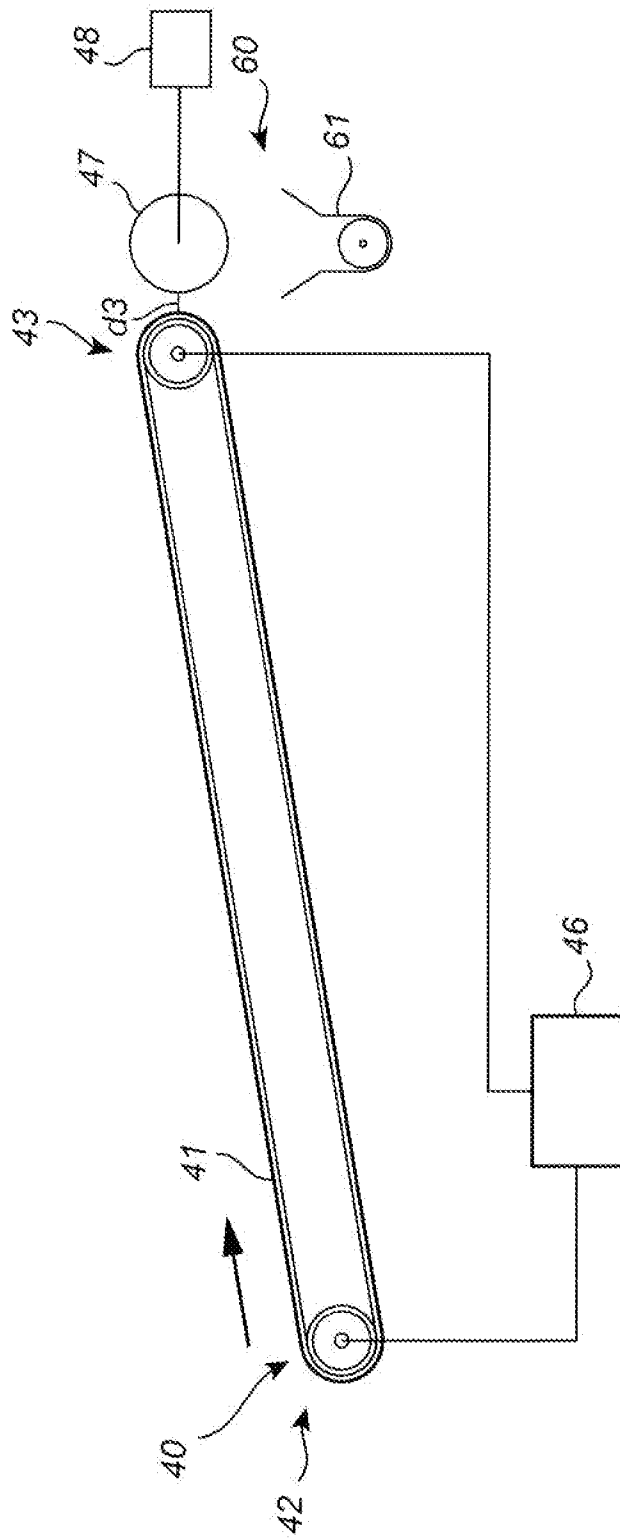


Fig. 4

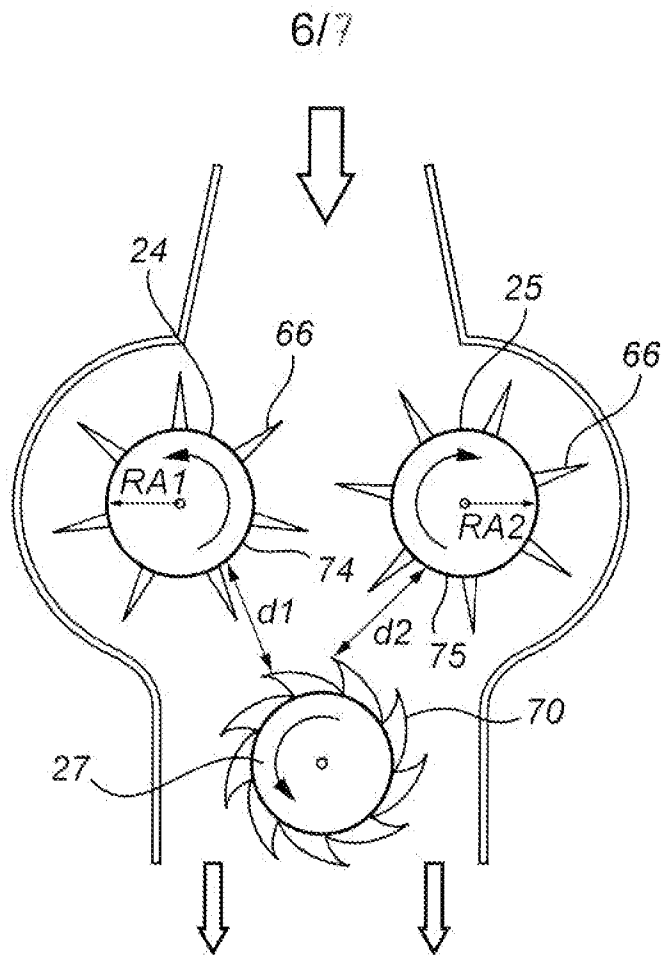


Fig. 6

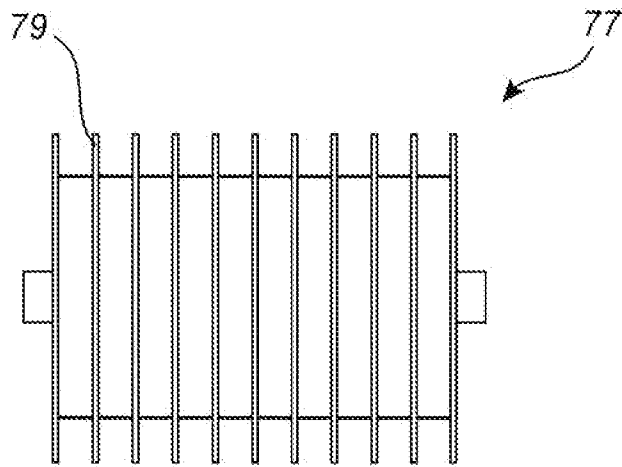


Fig. 7

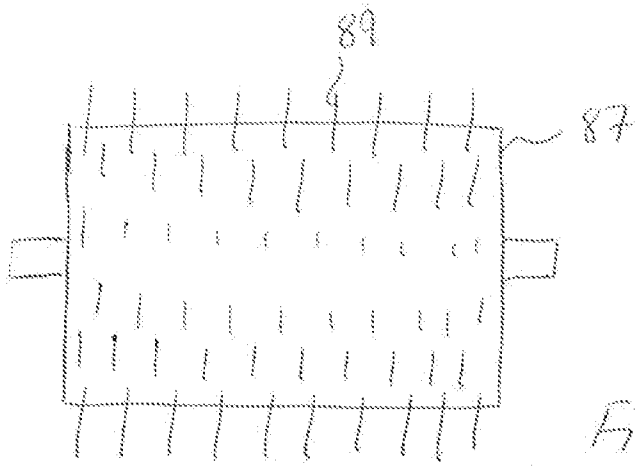


Fig. 8a

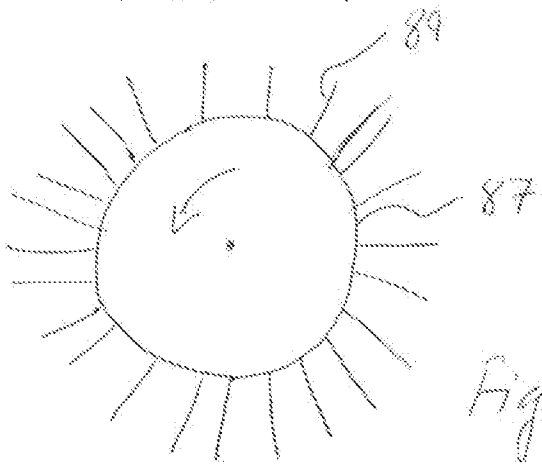


Fig. 8b