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(54) **Waste bins with compaction mechanism**

(57) Twin upright waste bins 1 with a shared compaction and force multiplication mechanism 20 each have a straight sided compaction portion 8 for receiving a compaction plate 29 of corresponding size and shape, arranged above a longer, wider waste storage portion 9; the sidewall of each bin is axially separable into two removable halves 2, 2' to facilitate removal of the compacted waste. The compaction plate 29 may have a resilient peripheral seal 29' for sealing the plate in the compaction portion while preventing damage to a disposable bag which lines both compaction and storage portions. The compaction mechanism 20 may include a compression rod 28 with two rows of teeth 50, 51, which are manually operated respectively by a lever 52, 58 for compacting the waste and by a rotating gear 56 for rapidly withdrawing the compaction plate. The reduced length and cross sectional area of the compaction portion allow more effective compaction.

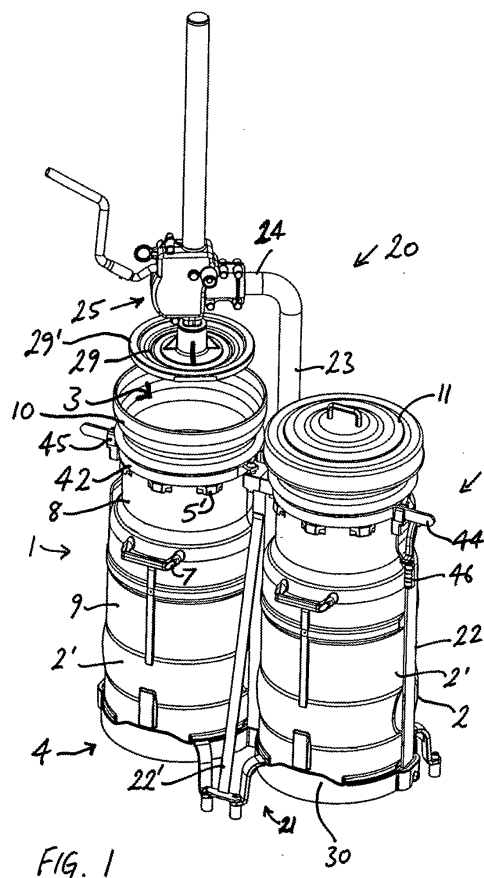


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 07 6031

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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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24-04-2008

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