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(54) **Motor driven rotary variable speed mechanical system for cleaning wire rods and metal wires**

(57) A mechanical system for cleaning wire rods and metal wires, characterized in that said system comprises a first mechanical assembly (1) performing a series of twisting and detwisting operations on the wire material and a series of bending operations in an opposite

direction, thereby providing a scaling operation on the wire material, and/or a cleaning assembly (2) comprising a rotary drum (24), therethrough the wire rod or metal wire to be cleaned is caused to pass, and to which abrasive material is supplied.

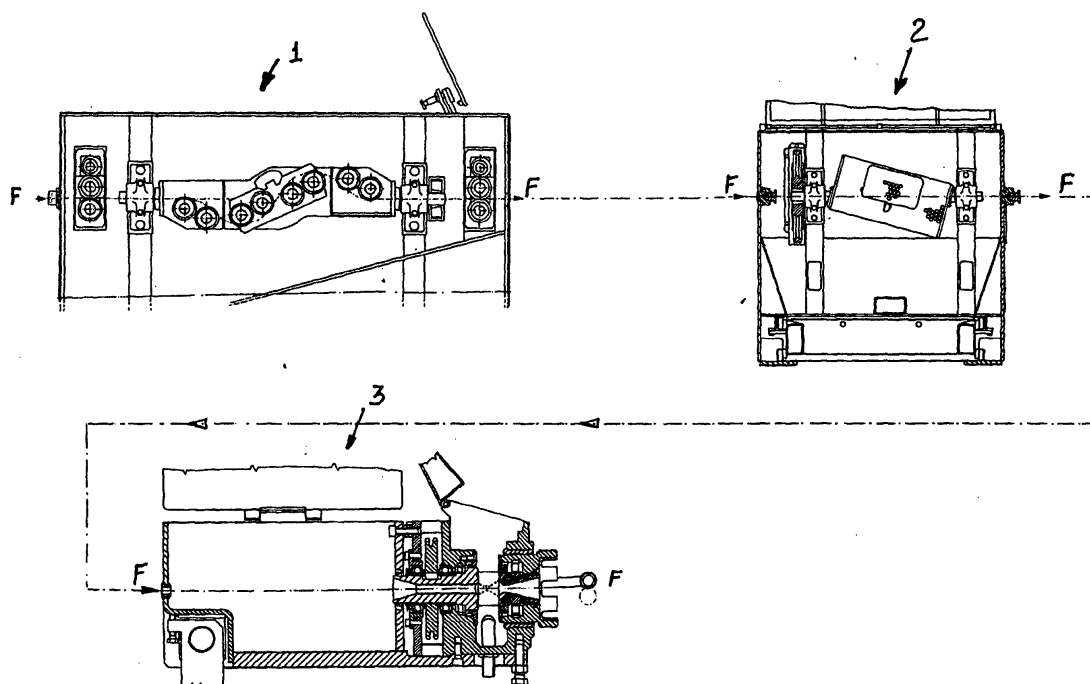


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 03 00 4477

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16 January 2004	Examiner Do Huu Duc, J
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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