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(72) Inventor: **Morselli, Mario Antonio**
41100 Modena (IT)

(74) Representative: **Provvisionato, Paolo**
Provvisionato & Co S.r.l.,
Piazza di Porta Mascarella, 7
40126 Bologna (IT)

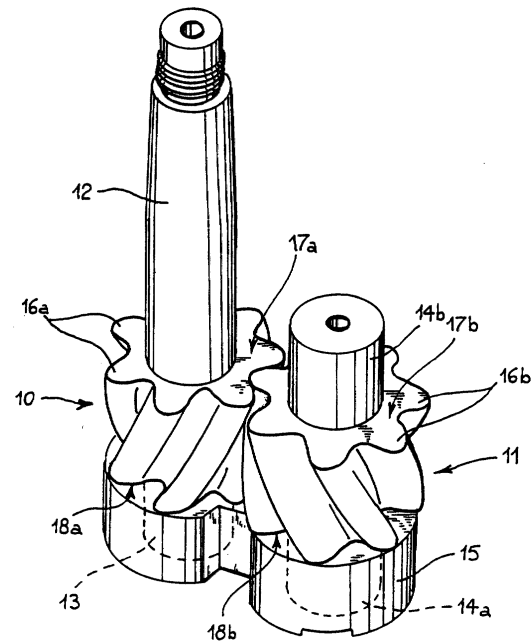
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(71) Applicant: **Morselli, Mario Antonio**
41100 Modena (IT)

(54) **A positive-displacement rotary pump with helical rotors**

(57) A positive-displacement rotary pump comprises a pair of meshing rotors or gears (10, 11), that is, a driving rotor or gear and a driven rotor or gear, respectively, enclosed in a casing with a delivery opening and an intake opening for a fluid. The gears (10, 11) comprise a plurality of teeth (16a, 16b) meshing without encapsulation and at the same time defining sets of helical teeth with a face overlap substantially equal to or close to unity. The combination of a profile of the teeth which prevents encapsulation and of the helical arrangement of the teeth reduces ripple and the noise resulting therefrom when the pump is in operation.

FIG.1



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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 5738

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Place of search THE HAGUE		Date of completion of the search 15 May 2002	Examiner Kapoulas, T
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