

Title (en)
Gear pump

Title (de)
Zahnradpumpe

Title (fr)
Pompe à engrenages

Publication
EP 0595764 B1 19971029 (DE)

Application
EP 93810658 A 19930920

Priority
CH 337992 A 19921029

Abstract (en)
[origin: EP0595764A1] The gear pump is suitable in particular for the extraction of highly viscous media from a vacuum against a high delivery pressure. It comprises a gear pair (2) and an inlet region as well as an outlet region in a housing. The inlet (4) has an enlargement (10) which reaches at least as far as the plane (11) of the gear axes (12), the length R of this enlargement parallel to the plane of the gear axes and perpendicularly to the gear axes being greater than the length D of the gear pair. According to the invention, the enlargement (10) has a width C at the gears (2) in the direction of the gear axes (12) which is greater than the tooth width T. <IMAGE>

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F04C 13/00; **F04C 15/02**

IPC 8 full level
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F04C 13/002 (2013.01 - EP US); **F04C 15/06** (2013.01 - EP US)

Cited by
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