

Title (en)
Horizontal pumping system

Title (de)
Horizontales Pumpensystem

Title (fr)
Système de pompage horizontal

Publication
EP 0877165 A2 19981111 (EN)

Application
EP 98301354 A 19980225

Priority
US 85247697 A 19970507

Abstract (en)
A multi-pump horizontal pumping system has a support structure (12) with a plurality of pumps (18) horizontally connected thereto in parallel and side-by-side relationship. A gear box (16) operatively interconnects an electric motor (14) to each of the pumps with a thrust bearing (30) operatively connected to each pump shaft (32) of each pump between the gear box and each pump. Piping (36) conveys fluids to and from the pumps in parallel or series flow. The multi-pump arrangement provides redundant pumping ability in remote locations where pumps fail more often than the electric motors, and in remote locations where size and weight considerations prevent the use of multiple single-pump horizontal pumping systems.
<IMAGE>

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IPC 8 full level
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CPC (source: EP)
F04C 11/001 (2013.01); **F04C 14/02** (2013.01); **F04D 13/14** (2013.01)

Cited by
RU182408U1; US5951248A; CN106089745A; EA031425B1; US11154917B2; US9534603B2; US10677032B1; US11596987B2; US12036587B2; US11118588B2

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