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(54) **Scroll compressor with bypass ports driven by a line fed permanent magnet synchronous type motor.**

(57) A scroll compressor is provided with some capacity reduction technique such as a bypass port. The electric motor for driving the scroll compressor is not an induction motor, but rather a line fed permanent magnet synchronous motor is utilized. Such motors have a higher overall efficiency, and thus will be more efficient at reduced capacity operation.

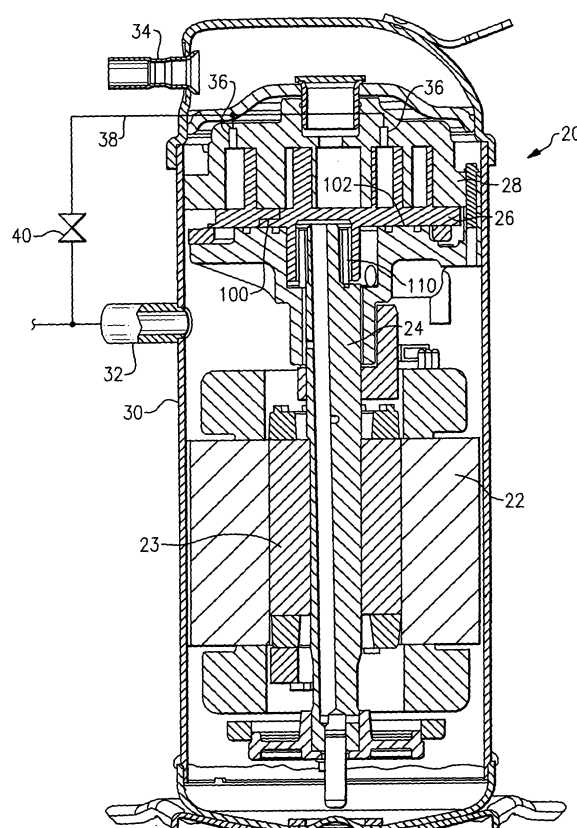


FIG.1



EUROPEAN SEARCH REPORT

Application Number
EP 09 25 1430

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Place of search Munich		Date of completion of the search 19 May 2011	Examiner Descoubes, Pierre
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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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 09 25 1430

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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