

Title (en)  
OIL FILTER WITH INTEGRATED COOLER

Title (de)  
ÖLFILTER MIT INTEGRIERTEM KÜHLER

Title (fr)  
FILTRE A HUILE A REFROIDISSEUR INTEGRE

Publication  
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Application  
**EP 01992825 A 20011031**

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Abstract (en)  
[origin: WO0236940A1] The invention is generally directed to an improved oil filter with integrated oil cooler (16) as well as a replaceable filter elements (12) for use with same. The filter (12) with integrated cooler (16) generally includes a housing defining a chamber (84) for receiving oil, a unitary cooling element (16) located within the housing, an oil inlet (66) for receiving unfiltered oil from an engine and passing it into the chamber (84), an oil outlet (64) for passing filtered oil back to an engine, a filter element (12) located within the chamber (84) for filtering the oil, a coolant inlet (20) for receiving low temperature coolant from a cooling system and passing said coolant to the cooling element (16); and a coolant outlet (22) for passing warmed coolant from the cooling element to a cooling system.

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