

可変磁力モータ用磁石

Under development

Variable magnetic force motor magnet

磁石技術による次世代高効率モータの実現を目指して

Towards realizing the next-generation highly-efficient motors by the magnet technology

Features

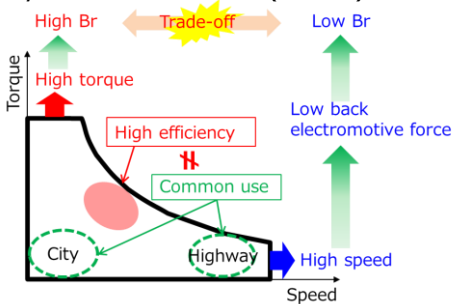
- 低着磁磁場, 高着磁性, 高 B_r
 $H_{mag}=140\text{-}640\text{ kA/m}$, $H_{cJ}/H_{mag}=0.5\text{-}0.7$, and $B_r=1.0\text{-}1.2\text{ T}$
- 低速から高速までの広範囲で高出力、高効率な運転が可能な可変磁力モータを実現
Realize the variable-magnetic-force motors available for the operation over a wide speed range with high power and high efficiency.

Applications

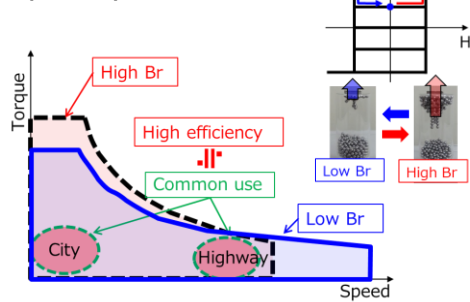
- 自動車、家電、産機、風力発電向け可変磁力モータ
Variable-magnetic-force motors for Automobile, Home electronics, Industrial machines, and Wind-generations

Characteristics

従来の永久磁石同期モータ
Conventional Permanent Magnet Synchronous Motor (PMSM)



可変磁力モータ
Variable magnetic force motor (VMFM)



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